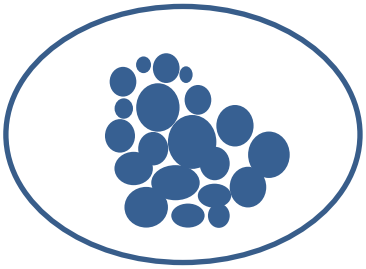
HIGH PURITY INORGANIC POWDERS

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High Purity Inorganic Chemical Powders

PURITY

Purity is based on spectrographic values of trace metals found, i. e. 99.999% pure indicates that 0.001% (10 ppm) total of trace metals have been observed. Gases, Carbon and Sulfur are not included in the analysis but can possibly be determined if needed.

PARTICLE SIZE

Particle sizes are listed as determined with sieves. “-100,+325 mesh” means that all of the particles pass through a 100 mesh screen and are completely retained on a 325 mesh screen. “Mesh” indicates the number of sieve openings per linear inch.

CERTIFICATE

Each batch of material is shipped with a certificate of analysis and represents the current batch only.

Material Safety Data Sheet (MSDS) will be attached if the materials are dangerous.



CUSTOM MANUFACTURING

Funcmater provide custom service if there is no dimensions or purity you want on the list, Don’t hesitate to contact us.

Particle Size Conversion Table

MESH SIZE	APPROXIMATE DIAMETER(mm)	MESH SIZE	APPROXIMATE DIAMETER(mm)
2	8	80	0.180
3	6.7	100	0.150
4	4.75	120	0.125
5	4.00	140	0.106
6	3.35	170	0.090
7	2.80	200	0.075
8	2.36	230	0.063
10	2.00	270	0.053
12	1.70	325	0.045
14	1.40	400	0.040
16	1.18	500	0.025
18	1.00	600	0.023
20	0.850	800	0.018
25	0.710	1000	0.013
30	0.600	1250	0.010
35	0.500	2000	0.0065
40	0.425	2500	0.0050
45	0.355	5000	0.0026
50	0.300	8000	0.0016
60	0.250	10000	0.0013
70	0.212		

Halide Materials

FM offers a series of metal halide materials, it's unique photoelectric properties make it a typical emerging application material, and widely used in the fields of solar cells, light-emitting diodes and Nano-lasers.

Fluoride Powder

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Aluminum Fluoride	AlF_3	7784-18-1	99.5%-99.99 %
Aluminum Fluoride Trihydrate	$AlF_3•3H_2O$	15098-87-0	99.9%
Ammonium Fluoride	NH_4F	12125-01-8	96.0%-98.0%
Ammonium Hexafluorotitanate	$(NH_4)_2TiF_6$	16962-40-6	99.99%
Barium Fluoride	BaF_2	7787-32-8	99%-99.99%
Bismuth Fluoride	BiF_3	7787-61-3	99.0%-99.95%
Calcium Fluoride	CaF_2	7789-75-5	99.0%-99.99 %
Cesium Fluoride	CsF	13400-13-0	99.0%-99.99%
sChromium(II) Fluoride	CrF_2	10049-10-2	95.0%
Chromium(III) Fluoride	CrF_3	7788-97-8	99.98%
Chromium(III) Fluoride Hydrate	$CrF_3•xH_2O$	123333-98-2	99.0%-99.90%
Cobalt(II) Fluoride Tetrahydrate	$CoF_2•4H_2O$	13817-37-3	99.99%
Cobalt(II) Fluoride, anhydrous	CoF_2	10026-17-2	99.0%
Cobalt(II) Tetrafluoroborate Hydrate	$Co(BF_4)_2•xH_2O$	26490-63-1	96.0%
Cobalt(III) Fluoride	CoF_3	10026-18-3	99.0%
Copper(II) Fluoride	CuF_2	7789-19-7	99.5%
Cryolite	Na_3AlF_6	13775-53-6	99.5%-99.96%
Gallium Fluoride	GaF_3	7783-51-9	99.85%
Hafnium Fluoride	HfF_4	13709-52-9	99.95%
Indium Fluoride	InF_3	7783-52-0	99.95%-99.995%
Iron Fluoride	FeF_3	7783-50-8	97.0%
Iron(II) Fluoride	FeF_2	7789-28-8	98.0%
Iron(III) Fluoride Trihydrate	$FeF_3•3H_2O$	15469-38-2	99.0%-99.9%
Lead Fluoride	PbF_2	7783-46-2	99.9%-99.99%
Lead(IV) Fluoride	PbF_4	7783-59-7	99.0%

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Lithium Fluoride	LiF	7789-24-4	99.99%-99.995%
Lithium Hexafluoroantimonate	$LiSbF_6$	18424-17-4	97.0%
Lithium Hexafluorophosphate	$LiPF_6$	21324-40-3	98.0%
Lithium Hexafluorosilicate	Li_2SiF_6	17347-95-4	95.0%-99.0%
Lithium Tetrafluoroborate	$LiBF_4$	14283-07-9	98.0%
Magnesium - Cerium Fluoride	MgF_2 - CeF_3		99.995%
Magnesium - Neodymium Fluoride	MgF_2 - NdF_3		99.99%-99.995%
Magnesium Fluoride	MgF_2	7783-40-6	99.9%-99.995%
Magnesium Hexafluorosilicate Hexahydrate	$MgSiF_6•6H_2O$	18972-56-0	98.0%
Manganese Fluoride	MnF_2	7782-64-1	99.5%
Manganese Fluoride	$MnF_2•2H_2O$	7782-64-1	99.99%
Manganese Fluoride	MnF_3	7783-53-1	98.0%-99.5%
Molybdenum Fluoride	MoF_6	7783-77-9	99.99%
Nickel Fluoride	NiF_2	10028-18-9	97.0%-99.95%
Nickel(II) Fluoride Tetrahydrate	$NiF_2•4H_2O$	13940-83-5	98.0+%
Nickel(II) Tetrafluoroborate Hexahydrate	$Ni(BF_4)_2•6H_2O$	15684-36-3	99.0%-99.9%
Niobium Fluoride	NbF_5	7783-68-8	99.99%
Potassium Fluoride	KF	7789-23-3	99.95%
Potassium Fluoride Dihydrate	$KF•2H_2O$	13455-21-5	99.995%
Potassium Heptafluoroniobate(V)	K_2NbF_7	16924-03-1	99.5%
Potassium Heptafluorotantalate(V)	K_2TaF_7	16924-00-8	99.7-99.99%
Potassium Hexafluoronickelate(IV)	K_2NiF_6	17218-47-2	99.5%
Potassium Hexafluorophosphate	KPF_6	17084-13-8	95.0%-99.0%
Potassium Hexafluorosilicate	K_2SiF_6	16871-90-2	98.0%
Potassium Hexafluorozirconate	K_2ZrF_6	16923-95-8	99.0%
Potassium Hydrogen Fluoride	KHF_2	7789-29-9	99.0%
Rubidium Fluoride	RbF	13446-74-7	99.0%-99.98%
Rubidium Fluoride Hydrate	$RbF•xH_2O$	16422-67-6	99.0%
Sodium Aluminum Fluoride	$Na_5Al_3F_{14}$	12068-55-2	99.95%-99.995%
Sodium Fluoride	NaF	7681-49-4	99.99%
Sodium Fluorophosphate	Na_2PO_3F	10163-15-2	99.5%
Sodium Hexafluoroantimonate	$NaSbF_6$	16925-25-0	99.9%
Sodium Hexafluorophosphate	$NaPF_6$	21324-39-0	98.0%-99.0%
Sodium Tetrafluoroborate	$NaBF_4$	13755-29-8	95.0%
Sodium Yttrium Fluoride	$NaYF_4$	14118-34-4	99.9%
Strontium Fluoride	SrF_2	7783-48-4	99.99%
Tantalum(V) Fluoride	TaF_5	7783-71-3	99.9%
Tin Fluoride	SbF_3	7783-56-4	99.0%-99.999 %
Tin Fluoride	SnF_2	7783-47-3	97.5%-99.9%

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Tin(IV) Fluoride	SnF_4	7783-62-2	99.0%
Titanium(IV) Fluoride	TiF_4	7783-63-3	98.0%
Vanadium Fluoride	VF_4	10049-16-8	99.9%
Vanadium(III) Fluoride	VF_3	10049-12-4	98.0%
Vanadium(V) Trifluoride Oxide	VOF_3	13709-31-4	99.9%
Zinc Fluoride	ZnF_2	7783-49-5	99.99%
Zinc Fluoride Tetrahydrate	$ZnF_2 \cdot 4H_2O$	13986-18-0	98.0%
Zirconium Fluoride	ZrF_4	7783-64-4	99.9%



Chloride Powder

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Aluminum Chloride	$AlCl_3$	7446-70-0	99.95-99.999%
Aluminum Chloride Hexahydrate	$AlCl_3•6H_2O$	7784-13-6	99.995%
Barium Chloride	$BaCl_2$	10361-37-2	99.9 %-99.998 %
Barium Chloride Dihydrate	$BaCl_2•2H_2O$	10326-27-9	99.0+%
Bismuth Chloride	BiCl3	7787-60-2	99.99%-99.999%
Calcium Chloride	$CaCl_2$	10043-52-4	93.0%-99.9%
Calcium Chloride Dihydrate	$CaCl_2•2H_2O$	10035-04-8	99-99.99%
Calcium Chloride Hydrate	$CaCl_2•xH_2O$ (x≈4-6)	22691-02-7	99.997%
Cadmium Chloride	$CdCl_2$	10108-64-2	99.9%-99.999%
Cadmium Chloride Hemipentahydrate	$CdCl_2•2.5H_2O$	7790-78-5	99.99%
Cadmium Chloride Hydrate	$CdCl_2•xH_2O$	654054-66-7	99.998%
Cobalt(II) Chloride Hexahydrate	$CoCl_2•6H_2O$	10060-12-5	99.998%
Cobalt(II) Chloride	$CoCl_2$	7646-79-9	99.7%-99.998%
Chromium(II) Chloride, Anhydrous	$CrCl_2$	10049-05-5	98.5%-99.99 %
Chromium Chloride	$CrCl_3$	10025-73-7	98.0%-99.9%
Chromium(III) Chloride Hexahydrate	$CrCl_3•6H_2O$	10060-12-5	99.5%-99.998%
Cesium Chloride	CsCl	7647-17-8	99.99 %-99.999 %
Copper Chloride	CuCl	7758-89-6	99.5%-99.999%
Copper Chloride	$CuCl_2$	7447-39-4	99.99%-99.999%
Copper(II) Chloride Hydrate	$CuCl_2•2H_2O$	10125-13-0	99.0+%
Ammonium Copper(II) Chloride Dihydrate	$CuCl_2•2NH_4Cl.2H_2O$	10060-13-6	99.0%-99.99%
Copper(II) Chloride Hydrate	$CuCl_2•xH_2O$ (x≈2)	10125-13-0	99.999%
Iron Chloride	$FeCl_2$	7758-94-3	99.5%-99.99%
Iron Chloride	$FeCl_2.\ 2H_2O$	7758-94-3	99.5%
Iron(II) Chloride Tetrahydrate	$FeCl_2•4H_2O$	13478-10-9	98.0%
Iron(II) Chloride Hydrate	$FeCl_2•xH_2O$	23838-02-0	99.0%
Iron(III) Chloride Anhydrous	$FeCl_3$	7705-08-0	98.0%-99.0%
Iron(III) Chloride Hexahydrate	$FeCl_3•6H_2O$	10025-77-1	97.0%-99.9%
Gallium(II) Chloride	Ga_2Cl_4	24597-12-4	99.999%
Gallium Chloride	$GaCl_2$	24597-12-4	99.998%
Gallium Chloride	$GaCl_3$	13450-90-3	99.999%
Hafnium Chloride	$HfCl_4$	13499-05-3	99.9%
Hafnium Dichloride Oxide Octahydrate	$HfOCl_2•8H_2O$	14456-34-9	98.0%-99.998%
Indium Chloride	$InCl_2$	13465-11-7	99.99%
Indium Chloride	$InCl_3$	10025-82-8	99.99%-99.999%
Indium(III) Chloride Hydrate	$InCl_3•xH_2O$	143983-91-9	99.99%

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Potassium Chloride	KCl	7447-40-7	98.0%-99.999%
Lithium Phosphorus Sulfur Chloride	Li_6PS_5Cl		99.9%
Lithium Phosphorus Tellurium Chloride	Li_6PTe_5Cl		99.9%
Lithium Chloride	LiCl	7447-41-8	99.0%-99.999%
Lithium Chloride-Potassium Chloride	LiCl.KCl	65567-96-6	98.0+%
Lithium Chloride Monohydrate	$LiCl•H_2O$	16712-20-2	99.95%
Lithium Germanium Phosphous Sulifide Chloride	LiGePSCl		99.99%
Magnesium Chloride	$MgCl_2$	7786-30-3	99.9%-99.99%
Magnesium Chloride Hexahydrate	$MgCl_2•6H_2O$	7791-18-6	99.99%
Manganese Chloride	$MnCl_2$	7773-01-05	99.0%-99.9 %
Manganese(II) Chloride Tetrahydrate	$MnCl_2•4H_2O$	13446-34-9	99.999%
Molybdenum Chloride	$MoCl_5$	10241-05-1	99.99%
Molybdenum Chloride	$MoCl_6$	13706-19-9	99.99%
Sodium Tetrachloroaluminate	$NaAlCl_4$	7784-16-9	99.99%
Sodium Chloride	NaCl	7647-14-5	99.0%-99.998%
Niobium Chloride	$NbCl_5$	10026-12-7	99.0%-99.999 %
Ammonium Chloride	NH_4Cl	12125-02-9	98.0%-99.999%
Ammonium Hexachlorostannate(IV)	$(NH_4)_2SnCl_6$	16960-53-5	98.0%
Nickel(II) Chloride Anhydrous	$NiCl_2$	7718-54-9	99.99%
Nickel(II) Chloride Hydrate	$NiCl_2•xH_2O$	69098-15-3	99.995%
Lead Chloride	$PbCl_2$	7758-95-4	99.9%-99.999%
Rubidium Chloride	RbCl	2151958	99.0%-99.995%
Rhenium Trichloride	$ReCl_3$	13569-63-6	99.9%
Rhenium (V) Chloride	$ReCl_5$	13596-35-5	99.9%
Antimony(III) Chloride	$SbCl_3$	10025-91-9	99.9%-99.999%
Selenium(I) Chloride	Se_2Cl_2	10025-68-0	99.9%
Selenium(IV) Chloride	$SeCl_4$	10026-03-6	99.5%
Tin Chloride	$SnCl_2$	7772-99-8	99.999%
Tin(II) Chloride Dihydrate	$SnCl_2•2H_2O$	10025-69-1	98.0%
Tin Chloride	$SnCl_4$	7646-78-8	99.999%
Tin(IV) Chloride Hydrate	$SnCl_4•xH_2O$	7646-78-8	98.0%
Strontium Chloride Anhydrous	$SrCl_2$	10476-85-4	99.5%-99.995%
Strontium Chloride Hexahydrate Colorless	$SrCl_2•6H_2O$	10025-70-4	99.0%-99.99%
Tantalum Chloride	$TaCl_5$	7721-01-9	99.9%
Tellurium Chloride	$TeCl_2$	10025-71-5	99.9%-99.999 %
Tellurium(IV) Chloride	$TeCl_4$	10026-07-0	99.9%-99.999%
Vanadium Chloride	VCl_3	7718-98-1	99.9%

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Tungsten Chloride	WCl_5	13470-14-9	99.9%
Tungsten Chloride	WCl_6	13283-01-7	99.9%
Zinc Chloride	$ZnCl_2$	7646-85-7	97.0%-99.999%
Zinc Chloride Hydrate	$ZnCl_2 \bullet xH_2O$	29604-34-0	99.999%
Zirconium Chloride	$ZrCl_4$	10026-11-6	99.9%



Bromide Powder

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Aluminum Bromide	$AlBr_3$	7727-15-3	99.999%
Barium Bromide	$BaBr_2$	10553-31-8	99.998%
Barium Bromide Dihydrate	$BaBr_2 \bullet 2H_2O$	7791-28-8	99.3%-99.999%
Bismuth Bromide	$BiBr_3$	7787-58-8	99. 999%
Magnesium Bromide Hexahydrate	$MgBr_2 \bullet 6H_2O$	13446-53-2	98.0+%
Nickel(II) Bromide, Anhydrous	$NiBr_2$	13462-88-9	99.0%
Strontium Bromide, Anhydrous	$SrBr_2$	10476-81-0	99.0%
Indium(III) Bromide, Anhydrous	$InBr_3$	13465-09-3	99.99%
Calcium Bromide	$CaBr_2$	7789-41-5	99.5%-99.978%
Calcium Bromide Hydrate	$CaBr_2 \bullet xH_2O$	71626-99-8	99.5%-99.999%
Cadmium Bromide	$CdBr_2$	7789-42-6	98.0%-99.999 %
Cadmium Bromide Hydrate	$CdBr_2 . xH_2O$	7789-42-6	99.999%
Cadmium Bromide Hydrate	$CdBr_2 \bullet xH_2O$	681435-25-6	99.999%
Cobalt Bromide	CoBr2	7789-43-7	99.99%
Cobalt(II) Bromide Hydrate	$CoBr2 \bullet xH_2O$	85017-77-2	99.99%
Cesium Bromide	CsBr	7787-69-1	99.9%-99.999 %
Copper Bromide	CuBr	7787-70-4	99.0%-99.998 %
Copper(II) Bromide	$CuBr_2$	7789-45-9	98.0%-99.0%
Iron Bromide	$FeBr_2$	7789-46-0	99.98%-99.995 %
Iron(III) Bromide, Anhydrous	$FeBr_3$	10031-26-2	98.0+%
Gallium Bromide	$GaBr_3$	13450-88-9	99.0%-99.998 %
Hafnium Bromide	$HfBr_4$	13777-23-5	99.0 %-99.99 %
Indium Bromide	InBr	14280-53-6	99.99%-99.999%
Potassium Bromide	KBr	7758-02-03	99.0%-99.98%
Potassium Hexabromotellurate(IV)	K_2TeBr_6	16986-18-8	99.99%
Lithium Phosphorus Sulfur Bromide	Li_6PS_5Br		99.9%
Lithium Phosphorus Tellurium Bromide	Li_6PTe_5Br		99.9%
Lithium Bromide Anhydrous	LiBr	7550-35-8	99.0%-99.998%
Lithium Bromide Hydrate	$LiBr \bullet xH_2O$	85017-82-9	99.995%
Magnesium Bromide	$MgBr_2$	7789-48-2	99.99%
Manganese(II) Bromide, Anhydrous	$MnBr_2$	13446-03-2	99.0%
Manganese(II) Bromide Hydrate	$MnBr_2 \bullet xH_2O$	10031-20-6	98.0%-99.9%
Sodium Tetrabromopalladate(II)	Na_2PdBr_4	50495-13-1	99.95%
Sodium Bromide	NaBr	7647-15-6	97.0%-99.999%
Ammonium Bromide	NH_4Br	12124-97-9	99.999%
Nickel(II) Bromide Trihydrate	$NiBr_2 \bullet 3H_2O$	7789-49-3	98.0%

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Lead Bromide	$PbBr_2$	10031-22-8	99.998%
Rubidium Bromide	RbBr	7789-39-1	99.9%
Antimony Bromide	$SbBr_3$	7789-61-9	99.995%-99.999%
Selenium(IV) Bromide	$SeBr_4$	7789-65-3	99.0%
Tin Bromide	$SnBr_2$	10031-24-0	99.99%
Tin(IV) Bromide	$SnBr_4$	7789-67-5	99.0%
Strontium Bromide Hexahydrate	$SrBr_2 \cdot 6H_2O$	7789-53-9	95.0%-99.0%
Tantalum Bromide	$TaBr_5$	13451-11-1	99.9%-99.99 %
Tellurium Bromide	$TeBr_4$	10031-27-3	99.999%
Titanium Bromide	$TiBr_4$	7789-68-6	99.99%
Vanadium Bromide	VBr_3	13470-26-3	99.5%
Zinc Bromide	$ZnBr_2$	7699-45-8	99.999%
Zinc Bromide Hydrate	$ZnBr_2 \cdot xH_2O$	299465-28-4	99.999%
Zinc Bromide Hydrate	$ZnBr_2 \cdot xH_2O$	299465-28-4	99.9%-99.999%
Zirconium Bromide	$ZrBr_4$	13777-25-8	99.9%



Iodide Powder

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Aluminum Iodide	AlI_3	7784-23-8	99.999%
Ammonium Iodide	NH_4I	12027-06-4	99.0%-99.995%
Antimony Iodide	SbI_3	7790-44-5	99.9%-99.999%
Barium Iodide	BaI_2	13718-50-8	99.995 %-99.999 %
Barium Iodide	TaI_5	14693-81-3	99.99%
Barium Iodide	PbI_2	10101-63-0	99.99%-99.999%
Barium Iodide	BiI_3	7787-64-6	99.99%-99.999%
Barium Iodide Hydrate	$BaI_2•xH_2O$	13718-50-8	95.0%
Cadmium Iodide	CdI_2	7790-80-9	99.9%-99.999 %
Calcium Barium Iodide	$CaBaI_3$		99.9%
Calcium Iodide	CaI_2	10102-68-8	99.5%-99.999 %
Calcium Iodide Hydrate	$CaI_2•xH_2O$	71626-98-7	99.9%
Calcium Iodide Hydrate	$CaI_2•xH_2O$ (x≈6)	71626-98-7	99.997%
Cesium Barium Iodide	$CsBa_2I_5$		99.9%
Cesium Calcium Iodide	$CsCa_2I_5$		99.9%
Cesium Europium Iodide	$CsEuI_3$		99.99%
Cesium Iodide	CsI	7789-17-5	99.9%-99.999 %
Cesium Samarium Iodide	$CsSmI_3$		99.99%
Cesium Strontium Iodide	$CsSr_2I_5$		99.9%
Cesium Tin Iodide	$CsSnI_3$		99.999%
Cesium Triiodide	CsI_3	20202-54-4	98.0%
Cesium Ytterbium Iodide	$CsYbI_3$		99.99%
Cobalt Iodide	CoI_2	15238-00-3	99.5%-99.999%
Copper Iodide	CuI	7681-65-4	99.9%-99.999%
Gallium Iodide	GaI_3	13450-91-4	99.99%-99.999%
Germanium(II) Iodide	GeI_2	13573-08-5	99.99%-99.999%
Germanium(IV) Iodide	GeI_4	13450-95-8	99.999 %-99.9999 %
Hafnium Iodide	HfI_4	13777-23-6	99.5%- 99.9 %
Indium Iodide	InI	13465-10-6	99.99%-99.999%
Indium(III) Iodide	InI_3	13510-35-5	99.99%-99.9999 %
Iron Iodide	FeI_2	7783-86-0	99.99%
Lithium Iodide	LiI	10377-51-2	99.9%-99.999%
Lithium Iodide Hydrate	$LiI•xH_2O$	85017-80-7	99.995%
Lithium Iodide Hydrate	$LiI•xH_2O$	85017-80-7	99.9%
Lithium Phosphorus Sulfur Iodide	Li_6PS_5I		99.9%
Magnesium Iodide	MgI_2	10377-58-9	99.99 %-99.999 %

CHEMICAL NAME	FORMULA	CAS No.	PURITY
Manganese Iodide	MnI_2	7790-33-2	99.99%
Nickel Iodide	NiI_2	13462-90-3	99.5%-99.998%
Niobium Iodide	NbI_5	13779-92-5	99.99%
Potassium Iodide	KI	7681-11-0	99.5 %-99.998%
Rubidium Iodide	RbI	7790-29-6	99.8%-99.99%
Silicon Iodide	SiI_4	13465-84-4	99%-99.999%
Sodium Iodide	NaI	7681-82-5	99.98 %-99.999 %
Strontium Iodide	SrI_2	10476-86-5	99.0%-99.99%
Tellurium Iodide	TeI_4	7790-48-9	99.9%-99.99%
Tin(II) Iodide	SnI_2	10294-70-9	99.99%-99.999%
Tin(IV) Iodide	SnI_4	7790-47-8	99.9%-99.999 %
Titanium Iodide	TiI_4	7720-83-4	99.9%-99.999%
Zinc Iodide	ZnI_2	10139-47-6	98.0%-99.995%
Zirconium Iodide	ZrI_4	13986-26-0	99.9%



Rare Earth Materials

FUNCMATER provides a series of high purity, Nano rare earth metal and compound powder materials. Rare earth elements are known as the "vitamin of industry" and have excellent magnetic, optical and electrical properties that cannot be replaced, which play a great role in improving product performance, increasing product variety and improving production efficiency, and are widely used in metallurgy, military, petrochemical, glass and ceramics, agriculture and new materials.

Ce Cerium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Cerium	Ce	7440-45-1	3N	-100Mesh
Cerium Hydroxide	$Ce(OH)_4$	12014-56-1	3N5	
Cerium Sulfide	Ce_2S_3	12014-93-6	3N	60Mesh D50<10 μ m
Cerium Boride	CeB_6	12008-02-5	2N5	-325Mesh
Cerium Bromide	$CeBr_3$	14457-87-5	3N-4N	-20Mesh
Cerium Bromide Heptahydrate	$CeBr_3.7H_2O$	7789-56-2	4N	
Cerium Chloride	$CeCl_3$	7790-86-5	4N	100Mesh
Cerium Chloride Heptahydrate	$CeCl_3 \cdot 7H_2O$	18618-55-8	3N5	
Cerium Fluoride	CeF_3	7758-88-5	4N5	100Mesh
Cerium Oxide	CeO_2	1306-38-3	3N-4N	D50<20 μ m/6-15 μ m
Cerium Oxide - Zirconium Oxide	CeO_2-ZrO_2		2N5	-325Mesh
Cerium Palladium Alloy	CePd		3N-4N	-200Mesh
Cerium Acetate	$CeC_6H_9O_6$	206996-60-3	3N	
Cerium Nitrate	$Ce(NO_3)_3$	10108-73-3	3N	-200Mesh
Cerium Nitrate Hexahydrate	$Ce(NO_3)_3 \cdot 6H_2O$	10294-41-4	2N5	
Cerium sulfate	$Ce(SO_4)_2$	13590-82-4	97%	-325Mesh
Cerium Sulfate	$Ce_2(SO_4)_3$	13454-94-9	3N	-200Mesh
Cerium sulfate octahydrate	$Ce_2(SO_4)_3 \cdot 8H_2O$	10450-59-6	4N	
Zirconium Scandium Cerium Oxide	ZrO_2:Sc_2O_3:CeO_2		3N	-325Mesh
Cerium Silicide	$CeSi_2$	12014-85-6	2N5	-20Mesh
Cerium Phosphate	$CePO_4$	13454-71-2	2N	-100Mesh
Cerium Vanadium Oxide	$CeVO_4$	13597-19-8	3N	-200Mesh
Cerium Carbonate	$Ce_2(CO_3)_3$	5853-16-7	3N	-200Mesh

Dy Dysprosium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Dysprosium	Dy	7429-91-6	3N	-200Mesh
Dysprosium Oxide	Dy_2O_3	1308-87-8	3N	D50:10 μ m
Dysprosium Chloride	$DyCl_3$	10025-74-8	4N	10Mesh
Dysprosium Chloride Hexahydrate	$DyCl_3.6H_2O$	15059-52-6	3N	
Dysprosium Boride	DyB_6	12008-04-7	2N5	-325Mesh
Dysprosium Bromide	$DyBr_3$	14456-48-5	4N	-325Mesh
Dysprosium oxalate decahydrate	$Dy_2(C_2O_4)_3 \cdot 10H_2O$	24670-07-3	3N	
Dysprosium Nitrate Pentahydrate	$Dy(NO_3)_3 \cdot 5H_2O$	10031-49-9	3N-4N	
Dysprosium Iodide	DyI_3	15474-63-2	98%	
Dysprosium Acetate tetrahydrate	$Dy(OOCCH_3)_3 \cdot 4H_2O$	15280-55-4	3N-4N	
Dysprosium Nitride	DyN	12019-88-4	3N	-325Mesh
Dysprosium Phosphate	$DyPO_4$	13863-49-5	4N	-100Mesh
Dysprosium Sulfate	$Dy_2(SO_4)_3$	10031-50-2	3N	-325Mesh
Dysprosium Carbonate tetrahydrate	$Dy_2(CO_3)_3 \cdot 4H_2O$	38245-35-1	3N	
Dysprosium Nitrate	$Dy(NO_3)_3$	10143-38-1	3N	-325Mesh
Dysprosium Fluoride	DyF_3	13569-80-7	3N-4N	-325Mesh

Er Erbium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Erbium	Er	7440-52-0	3N	-300Mesh
Erbium Boride	ErB_4	12310-44-0	2N5	
Erbium Bromide	$ErBr_3$	13536-73-7	4N	-100-325Mesh
Erbium Bromide Hydrate	$ErBr_3. xH_2O$	29843-93-4	5N	
Erbium(III) Chloride Hexahydrate	$ErCl_3.6H_2O$	10025-75-9	3N-5N	
Erbium Acetate	$ErC_6H_{17}O_{10}$	15280-57-6	3N/3N5	
Erbium Carbonate Hydrate	$Er_2(CO_3)_2 \cdot xH_2O$	22992-83-2	4N	
Erbium Nitride	ErN	12020-21-2	3N	-60Mesh
Erbium Silicide	$ErSi_2$	12434-16-1	3N	
Erbium Phosphate Hydrate	$ErPO_4 \cdot xH_2O$	14242-01-4	3N	
Erbium Phosphate	$ErPO_4$	14298-38-5	4N	-100-325Mesh
Erbium Sulfate	$Er_2(SO_4)_3$	10031-52-4	3N5	-100-325Mesh
Erbium Nitrate	$Er(NO_3)_3$	10031-51-3	3N	-100-325Mesh

Erbium Nitrate Hexahydrate	$Er(NO_3)_3.6H_2O$	13476-05-6	4N	
Erbium Iodide	ErI_3	13813-42-8	4N	-100-325Mesh
Erbium Fluoride	ErF_3	13760-83-3	3N	D50:10 μ m
Erbium Chloride	$ErCl_3$	10138-41-7	2N5	-20Mesh
Erbium Oxide	Er_2O_3	12061-16-4	2N5/3N	-325Mesh D50:10 μ m

Eu Europium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Europium Bromide	$EuBr_3$	13759-88-1	3N	-100-325Mesh
Europium Iodide	EuI_2	22015-35-6	4N-5N	-100-325Mesh
Europium Acetate Hydrate	$Eu(OOCCH_3)_3 \cdot xH_2O$	62667-64-5	3N-4N	
Europium nitrate hexahydrate	$Eu(NO_3)_3 \cdot 6H_2O$	10031-53-5	4N	-325Mesh
Europium Oxalate Hydrate	$Eu_2(C_2O_4)_3\ xH_2O$	304675-55-6		
Europium Oxide	Eu_2O_3	1308-96-9	2N5-5N	-325Mesh D50:3-16 μ m
Europium Phosphate	$EuPO_4$	13537-10-5	3N	-100-325Mesh
Europium Sulfate	$Eu_2(SO_4)_3$	13537-15-0	5N	-100-325Mesh
Europium Sulfate octahydrate	$Eu_2(SO_4)_3.8H_2O$	10031-52-4	5N	
Europium Carbonate	$Eu_2(CO_3)_3$	86546-99-8	3N	-100-325Mesh
Europium Nitrate	$Eu(NO_3)_3$	10031-53-5	3N	-100-325Mesh
Europium Fluoride	EuF_3	13765-25-8	3N-4N8	-100-325Mesh
Europium Chloride	$EuCl_3$	10025-76-0	4N	-100-325Mesh
Europium Chloride hexahydrate	$EuCl_3.6H_2O$	13759-92-7	5N	
Europium Telluride	EuTe	12020-69-8	2N5	-100-325Mesh
Europium Selenide	EuSe	12020-66-5	3N	-100-325Mesh
Europium Sulfide	EuS	12020-65-4	4N	-100-325Mesh
Europium Boride	EuB_6	12008-05-8	2N5	-325Mesh



Gd Gadolinium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Gadolinium	Gd	7440-54-2	3N	-200Mesh
Gadolinium oxalate hydrate	$Gd_2(C_2O_4)_3 \cdot xH_2O$	100655-00-3	3N	
Gadolinium Nitrate Hydrate	$Gd(NO_3)_3.xH_2O$	94219-55-3	4N	
Gadolinium acetate hydrate	$Gd(OOCCH_3)_3 \cdot xH_2O$	100587-93-7	3N	
Gadolinium Chloride Hexahydrate	$GdCl_3.\ 6H_2O$	13450-84-5	3N-5N	
Gadolinium Oxide	Gd_2O_3	12064-62-9	4N	-325Mesh
Gadolinium Nitride	GdN	25764-15-2	2N5/3N	-60Mesh
Gadolinium Silicide	$GdSi_2$	12134-75-7	3N	-325Mesh
Gadolinium Phosphate	$GdPO_4$	12064-62-9	4N	-325Mesh
Gadolinium Titanate	$Gd_2Ti_2O_7$	12024-89-4	3N	-200Mesh
Gadolinium Carbonate	$Gd_2(CO_3)_3.\ xH_2O$	38245-36-2	3N	
Gadolinium Iron Alloy	GdFe		3N	-10Mesh
Gadolinium Nickel Alloy	GdNi	12024-73-6	3N	-200Mesh
Gadolinium Iodide	GdI_3	13572-98-0	4N	-325Mesh
Gadolinium Fluoride	GdF_3	13765-26-9	3N	-200Mesh
Gadolinium Chloride	$GdCl_3$	10138-52-0	4N	-10Mesh
Gadolinium Bromide	$GdBr_3$	13818-75-2	3N-4N	-325Mesh
Gadolinium Boride	GdB_6	12008-06-9	2N5	-325Mesh



La Lanthanum

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Lanthanum Hexaborid	LaB_6	12008-21-8	2N	50nm
Lanthanum Bromide	$LaBr_3$	13536-79-3	3N-4N	
Lanthanum nickel alloy	$LaNi_5$	12196-72-4	2N5	-100Mesh
Lanthanum Titanate	$La_2Ti_2O_7$	12031-47-9	3N	-60Mesh
Lanthanum Zirconate	$La_2Zr_2O_7$	12031-48-0	3N	-60Mesh
Lanthanum Manganese Oxide	$LaMnO_3$		3N	-325Mesh
Lanthanum Lithium Titanate	$Li_{3x}La_{2/3-x}TiO_3$		3N	-325Mesh
Lanthanum Metvanadate	$LaVO_3$	12142-65-3	3N	-60Mesh
Lanthanum Vanadate	$LaVO_4$	13939-40-7	3N	-60Mesh
Lanthanum nitrate Hexahydrate	$La(NO_3)_3 \cdot 6H_2O$	10277-43-7	4N	
Lanthanum oxalate hydrate	$La_2(C_2O_4)_3 \cdot xH_2O$	79079-18-8	3N	
Molybdenum Lanthanum Alloy	MoLa		3N-4N	-100Mesh
Lanthanum Carbonate	$La_2(CO_3)_3$	54451-24-0	3N	-325Mesh
Lanthanum Acetate	$LaC_6H_{11}O_7$	100587-90-4	2N5	-325Mesh
Lanthanum Fluoride	LaF_3	13709-38-1	4N	
Lanthanum Bromide Hydrate	$LaBr_3 . xH_2O$	224183-16-8	4N	
Lanthanum chloride heptahydrate	$LaCl_3 \cdot 7H_2O$	10025-84-0	4N	
Lanthanum Oxide	La_2O_3	1312-81-8	3N-5N	D50:10 μ m
Lanthanum Iodide	LaI_3	13813-22-4	4N	-325Mesh
Lanthanum Barium Tin Oxide	$La_{(x)}Ba_{(1-x)}SnO_3$		3N	-325Mesh
Lanthanum Strontiam Iron Oxide	$(La_{0.8}Sr_{0.2})FeO_3$		3N	-325Mesh
Lanthanum Iron Nickel Oxide	$LaFe_{0.25}Ni_{0.75}O_3$		3N	-325Mesh
Lanthanum Strontiam Manganese Oxide	$La_{(1-x)}Sr_{(x)}MnO_3$		2N5/3N	D50<10 μ m
Lanthanum Nickel Oxide	$LaNiO_3$	12031-41-3	3N	-60Mesh
Lanthanum Iron Oxide	$LaFeO_3$	12022-43-4	3N	-325Mesh
Lanthanum Cobalt Oxide	$LaCoO_3$		3N	-325Mesh
Lanthanum Chromite	$LaCrO_3$	12017-94-6	2N5	-40Mesh
Lanthanum Aluminum Oxide	$LaAlO_3$	71496-78-1	3N	-50Mesh
Lanthanum	La	7439-91-0	3N	-60Mesh
Lanthanum Silicide	$LaSi_2$	12056-90-5	2N5	-200Mesh
Lanthanum Nitrate	$La(NO_3)_3$	10099-59-9	3N	-325Mesh
Lanthanum Sulfate	$La_2(SO_4)_3$	10099-60-2	4N	-100Mesh
Lanthanum carbonate hydrate	$La_2(CO_3)_3 \cdot xH_2O$	54451-24-0	3N-4N	-325Mesh
Lanthanum Titanate	$LaTiO_3$	12201-04-6	3N	-100Mesh
Lanthanum Chloride	$LaCl_3$	10099-58-8	4N	-100Mesh
Lanthanum Telluride	La_2Te_3	12031-53-7	3N	-100Mesh
Lanthanum Sulfide	La_2S_3	12031-49-1	3N	-200Mesh
Lanthanum Boride	LaB_6	12008-21-8	2N5/3N	-325Mesh

Lu Lutetium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Lutetium carbonate hydrate	$Lu_2(CO_3)_3 \cdot xH_2O$	64360-99-2	3N	-100Mesh
Lutetium Oxide	Lu_2O_3	12032-20-1	3N5-4N5	-325Mesh
Lutetium Nitride	LuN	12125-25-6	3N	-60Mesh
Lutetium Nitrate	$Lu(NO_3)_3$	100641-16-5	3N	-100Mesh
Lutetium Sulfate	$Lu_2(SO_4)_3$	13473-77-3	4N	-100Mesh
Lutetium Iodide	LuI_3	13813-45-1	4N	-100Mesh
Lutetium Fluoride	LuF_3	13760-81-1	4N	-325Mesh
Lutetium Chloride	$LuCl_3$	10099-66-8	4N	-100Mesh
Lutetium Chloride Hexahydrate	$LuCl_3.6H_2O$	15230-79-2	4N	
Lutetium Telluride	Lu_2Te_3	12163-22-3	5N	-60Mesh
Lutetium Sulfide	Lu_2S_3	12163-20-1	4N5	-200Mesh
Lutetium acetate tetrahydrate	$Lu(AC)_3.4H_2O$	207500-05-8	4N	

Pr Praseodymium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Praseodymium Oxide	Pr_6O_{11}	12037-29-5	2N5	-325Mesh
Praseodymium chloride hydrate	$PrCl_3 \cdot 6H_2O$	17272-46-7	3N	
Praseodymium Acetate	$PrC_6H_9O_6$	17829-83-3	3N	
Praseodymium iodide	PrI_3	13813-23-5	3N	-100Mesh
Praseodymium Nitrate Hexahydrate	$Pr(NO_3)_3 \cdot xH_2O$	15878-77-0	2N	
Praseodymium sulfate octahydrate	$Pr_2(SO_4)_3 \cdot 8H_2O$	13510-41-3	4N	
Praseodymium Oxide	Pr_2O_3	12036-32-7	3N-5N	-325Mesh
Praseodymium Fluoride	PrF_3	13709-46-1	4N	-325Mesh
Praseodymium Nitride	PrN	25764-09-4	3N	-200Mesh
Praseodymium Silicide	$PrSi_2$	12066-83-0	3N	-100Mesh
Praseodymium Phosphate	$PrPO_4$	14298-31-8	2N	-100Mesh
Praseodymium Sulfate	$Pr_2(SO_4)_3$	10277-44-8	3N5	-325Mesh
Praseodymium Carbonate	$Pr_2(CO_3)_3$	14948-62-0	3N	-200Mesh
Praseodymium Chloride	$PrCl_3$	10361-79-2	3N5	-100Mesh

Sc Scandium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Scandium	Sc	7440-20-2	3N-4N	-200Mesh
Scandium nitrate hydrate	$Sc(NO_3)_3 \cdot xH_2O$	107552-14-7	4N	
Scandium Boride	ScB_{12}		95%	-20Mesh
Scandium Oxide	Sc_2O_3	12060-08-1	4N-5N	-325Mesh
Scandium chloride hexahydrate	$ScCl_3 \cdot 6H_2O$	20662-14-0	4N	
Scandium Chloride	$ScCl_3$	10361-84-9	3N	-20Mesh
Scandium Iodide	ScI_3	14474-33-0	5N	-325Mesh
Scandium Nitride	ScN	664347-12-0	3N	-60Mesh
Scandium Nitrate	$Sc(NO_3)_3$	13465-60-6	4N	-100Mesh
Scandium Fluoride	ScF_3	13709-47-2	3N	-100Mesh
Scandium Bromide	$ScBr_3$	13465-59-3	4N	-100Mesh
Scandium Sulfide	Sc_2S_3	12166-29-9	3N	-200Mesh

Sm Samarium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Samarium Oxide	Sm_2O_3	12060-58-1	2N5-3N	D50:5-10 μ m
Samarium Cobalt	$SmCo_5$	12017-68-4	2N	-100Mesh
Samarium Chloride Hexahydrate	$SmCl_3 \cdot 6H_2O$	13465-55-9	3N	
Samarium oxalate hydrate	$Sm_2(C_2O_4)_3 \cdot 10H_2O$	14175-03-2	3N7	
Samarium Sulfide	SmS		3N	
Samarium Telluride	SmTe	12040-00-5	3N-4N5	-200Mesh
Samarium Chloride	$SmCl_3$	10361-82-7	3N-4N	-100Mesh
Samarium Sulfide	Sm_2S_3	12067-22-0	3N	-325Mesh
Samarium	Sm	7440-19-9	3N	-325Mesh
Samarium Nitride	SmN	25764-14-1	3N	-100Mesh
Samarium sulfate	$Sm_2(SO_4)_3$	15123-65-6	3N5	-100Mesh
Samarium carbonate hydrate	$Sm_2(CO_3)_3 \cdot xH_2O$	38245-37-3	4N	
Samarium Nitrate	$Sm(NO_3)_3$	10361-83-8	3N5	-100Mesh
Samarium Iodide	SmI_2	32248-43-4	4N	-100Mesh
Samarium Fluoride	SmF_3	13765-24-7	3N	-200Mesh
Samarium Boride	SmB_6	12008-30-9	2N5	-100Mesh

Tb Terbium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Terbium	Tb	7440-27-9	3N	-200Mesh
Terbium chloride hexahydrate	$TbCl_3 \cdot 6H_2O$	13798-24-8	4N	
Terbium Oxide	Tb_4O_7	12037-01-3	2N5-4N	-100Mesh
Terbium carbonate hydrate	$Tb_2(CO_3)_3 \cdot xH_2O$	100587-96-0	3N	
Terbium Iron Alloy	TbFe		3N	-100Mesh
Terbium oxalate decahydrate	$Tb_2(C_2O_4)_3 \cdot 10H_2O$	51373-66-1	3N	-100Mesh
Terbium iodide	TbI_3	13813-40-6	4N	-60Mesh
Terbium Acetate	$TbC_6H_{11}O_7$	100587-92-6	3N	-60Mesh
Terbium nitrate hydrate	$Tb(NO_3)_3 \cdot xH_2O$	10043-27-3	4N	
Terbium Nitride	TbN	12033-64-6	3N	-60Mesh
Terbium Boride	TbB_6	12008-31-0	3N5	-100Mesh
Terbium vanadium oxide	$TbVO_4$	13566-09-1	2N8	-100Mesh
Terbium Phosphate	$TbPO_4$	13863-48-4	4N	-200Mesh
Terbium Sulfate	$Tb_2(SO_4)_3$	13842-67-6	4N	-325Mesh
Terbium Nitrate	$Tb(NO_3)_3$	57584-27-7	4N	-325Mesh
Terbium Fluoride	TbF_3	13708-63-9	4N	-325Mesh
Terbium Chloride	$TbCl_3$	10042-88-3	3N-4N	-325Mesh
Terbium Bromide	$TbBr_3$	14456-47-4	4N	-100Mesh
Terbium Sulfide	Tb_2S_3	12138-11-3	3N5	-100Mesh

Tm Thulium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Thulium	Tm	7440-30-4	3N	-40Mesh
Thulium Oxide	Tm_2O_3	12036-44-1	3N-5N	-100Mesh
Thulium Fluoride	TmF_3	13760-79-7	3N	-100Mesh
Thulium Acetate	$TmC_6H_{11}O_7$	314041-04-8	2N5-4N	
Thulium Chloride	$TmCl_3$	13537-18-3	4N	-10Mesh
Thulium Chloride Hydrate	$TmCl_3 \cdot xH_2O$	19423-86-0	3N-4N	
Thulium nitrate hydrate	$Tm(NO_3)_3 \cdot xH_2O$	36548-87-5	3N-4N	
Thulium Oxalate Hydrate	$Tm_2(C_2O_4)_3 \cdot xH_2O$	58176-73-1	3N	
Thulium Nitride	TmN	12033-68-0	2N5	-60Mesh
Thulium Sulfate octahydrate	$Tm_2(SO_4)_3 * 8H_2O$	13778-40-0	3N	

Thulium Nitrate Hexahydrate	$Tm(NO_3)_3*6H_2O$	36548-87-5	3N	
Thulium Iodide	TmI_3	13813-43-9	3N	-100Mesh
Thulium Bromide	$TmBr_3$	14456-51-0	4N	-100Mesh
Thulium Sulfide	Tm_2S_3	12166-30-2	3N	-325Mesh
Thulium Boride	TmB_6	12046-55-8	2N5	-325Mesh

Y

Yttrium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
yttrium	Y	7440-65-5	2N-3N	-200Mesh
Yttrium Chloride	YCl_3	10361-92-9	3N-4N	-10Mesh
Yttrium Oxide	Y_2O_3	1314-36-9	3N-5N	-200Mesh D50<15 μ m
Yttrium chloride hydrate	$YCl_3•6H_2O$	10025-94-2	5N	
Yttrium Bromide	YBr_3	13469-98-2	3N-4N	-100Mesh
Yttrium sulfide	Y_2S_3	12039-19-9	3N	-100Mesh
Yttrium oxalate nonahydrate	$Y_2(C_2O_4)_3•9H_2O$	13266-82-5	3N	
Yttrium carbonate hydrate	$Y_2(CO_3)_3•xH_2O$	38245-39-5	3N-4N	
Yttrium sulfate octahydrate	$Y_2(SO_4)_3•8H_2O$	7446-33-5	4N	
Yttrium phosphate	YPO_4	13990-54-0	4N	-100Mesh
Yttrium barium copper oxide	$YBa_2Cu_3O_7$	107539-20-8	2N5	-100-325Mesh
Yttrium Tantalum oxide	$YTaO_4$		3N	-325Mesh
Yttrium Manganese Oxide	$YMnO_3$		3N	-325Mesh
Yttrium Ferrite	$Y_3Fe_5O_{12}$	12063-56-8	3N	-100Mesh
Yttrium Aluminate(YAG)	$Y_3Al_5O_{12}$	12005-21-9	3N-4N	-200Mesh
Yttrium Sulfate	$Y_2(SO_4)_3$	7446-33-5	3N5	-200Mesh
Yttrium Silicate	Y_2SiO_5	39318-36-0	3N	-325Mesh
Yttrium Carbonate	$Y_2(CO_3)_3$	5970-44-5	5N	-200Mesh
Yttrium Vanadate	YVO_4	13566-12-6	4N	-325Mesh
Yttrium Nitrate	$Y(NO_3)_3$	13494-98-9	2N-5N	
Yttrium Nitrate Hexahydrate	$Y(NO_3)_3.\ 6H_2O$	13494-98-9	2N-5N	
Yttrium Fluoride	YF_3	13709-49-4	3N	D50:15-20 μ m
Yttrium Telluride	$Y2Te_3$	12166-71-1	4N5	-40Mesh
Yttrium Oxide Stablized Zirconium Oxide(YSZ)	Y_2O_3-Zr_2O_3	308076-80-4	2N5/3N	D50<15 μ m
Yttrium Diboride	YB_2		95%	-20Mesh
Yttrium Hexaboride	YB_6	12008-32-1	3N	-20Mesh

Yb Ytterbium

CHEMICAL NAME	FORMULA	CAS No.	PURITY	SIZE
Ytterbium	Yb	7440-64-4	3N	-60Mesh
Ytterbium Chloride	$YbCl_3$	10361-91-8	4N	-10Mesh
Ytterbium Oxalate Hydrate	$Yb_2(C_2O_4)_3 \cdot xH_2O$	58176-74-2	3N	
Ytterbium Sulfate	$Yb_2(SO_4)_3$	13469-97-1	4N	-325Mesh
Ytterbium Bromide	$YbBr_3$	13759-89-2	3N	-100Mesh
Ytterbium Chloride Hexahydrate	$YbCl_3 \cdot 6H_2O$	10035-01-5	5N	
Ytterbium Fluoride	YbF_3	13760-80-0	3N-4N	-100Mesh
Ytterbium Oxide	Yb_2O_3	1314-37-0	3N-4N5	-325Mesh
Ytterbium Silicide	$YbSi_2$	12039-89-3	2N5	-200Mesh
Ytterbium Nitride	YbN	24600-77-9	3N	-60Mesh
Ytterbium Carbonate	$Yb_2(CO_3)_3$	5895-52-3	4N	-100Mesh
Ytterbium Iodide	YbI_2	19357-86-9	3N	-100Mesh
Ytterbium Phosphate	$YbPO_4$	13759-80-3	3N	-325Mesh



Carbides/Nitrides/Borides/Silicides

C Carbides

CHEMICAL NAME	FORMULA	CAS No.	PURITY	PARTICLE SIZE
Aluminum Carbide	Al_4C_3	1299-86-1	2N/2N8	-325Mesh
Boron Carbide	B_4C	12069-32-8	2N-3N	D50<15μm
Carbon	C	7440-44-0	4N	D50<20μm
Chromium Carbide	Cr_3C_2	12012-35-0	2N-3N5	-325Mesh
Hafnium Carbide	HfC	12069-85-1	2N5	1-3μm
Iron Carbide	Fe_3C	12011-67-5	2N	-325Mesh
Magnesium carbide	Mg_2C_3	12151-74-5	2N5	-325Mesh
Manganese Carbide	$Mn_{23}C_6$		2N	-325Mesh
Molybdenum Carbide	Mo_2C	12069-89-5	2N5	-325Mesh
Molybdenum Carbide	MoC		2N5	-325Mesh
Niobium Carbide	NbC	12069-94-2	2N5	-325Mesh D90<10μm
Silicon Carbide	SiC	409-21-2	2N5-4N	-325Mesh D90<10μm
Tantalum Carbide	TaC	12070-06-3	2N5/3N	-325Mesh
Tantalum Hafnium Carbide	Ta_4HfC_5	71243-79-3	2N-3N	-325Mesh
Tantalum Niobium Carbide (TaNbC(60/40))	TaNbC(50/50)		2N5	FSSS≈2μm
Tantalum Niobium Carbide (TaNbC(80/20))	TaNbC(80/20)		2N5	FSSS≈2μm
Titanium Aluminum Carbide	Ti_3AlC_2		2N/2N5	-200Mesh
Titanium Carbide	TiC		2N-3N	-325Mesh 5-50μm
Titanium Carbonitride	TiC/TiN (50/50%))	196506-01-1	2N5	-325Mesh
Tungsten Carbide	WC	12070-08-5	2N5	-325Mesh
Tungsten carbide Cobalt	WC:Co; 94:6 wt%		2N5/3N	-200Mesh
Vanadium Carbide	VC	12070-12-1	2N5	-325Mesh
Zirconium Carbide	ZrC	12774-15-1	2N/2N5	-325Mesh D50: 30-50μm

N Nitrides

CHEMICAL NAME	FORMULA	CAS No.	PURITY	PARTICLE SIZE
Aluminum Nitride	AlN	24304-00-5	2N5-3N5	-325Mesh D90<5μm
Aluminum Nitride-Titanium Nitride	AlN-TiN		2N5	-325Mesh
Aluminum Oxynitride	AlON		3N	D50:20μm
Baium Nitride	Ba_3N_2	12047-79-9	2N5	-325Mesh
Boron Nitride	BN	10043-11-5	2N-3N	D50:20μm/15-100μm
Calcium Nitride	Ca_3N_2	12013-82-0	2N/2N5	-200Mesh
Chromium Nitride	CrN	12053-27-9	2N-3N	-325Mesh
Copper Nitride	Cu_3N	1308-80-1	3N	-325Mesh
Gallium Nitride	GaN	25617-97-4	4N-6N	-100Mesh
Hafnium Nitride	HfN	25817-87-2	2N8	-325Mesh
Indium Nitride	InN	25617-98-5	3N	-100Mesh
Iron nitride	FeN	12023-20-0	3N	D50: 5-10μm
Magnesium Nitride	Mg_3N_2	12057-71-5	2N5	-325Mesh
Manganese Nitride	Mn_4N	12033-07-7	2N5	-325Mesh
Nickel Nitride	Ni_3N	12033-45-3	2N5	-325Mesh
Niobium Nitride	NbN	24621-21-4	2N-3N	-325Mesh
Silicon Nitride	Si_3N_4	12033-89-5	2N5-4N	D50<2μm/D90<10μm
Tantalum Nitride	TaN	12033-62-4	3N	-325Mesh
Titanium Nitride	TiN	25583-20-4	2N5-3N5	-325Mesh D90<30μm
Vanadium Nitride	VN	24646-85-3	2N5	-325Mesh
Zirconium Nitride	ZrN	25658-42-8	2N5	-325Mesh 22-45μm/45-75μm

B Borides

CHEMICAL NAME	FORMULA	CAS No.	PURITY	PARTICLE SIZE
Aluminium Boride	AlB_2	12041-50-8	2N5	-200Mesh
Barium Boride	BaB_6	12046-08-1	2N	-325Mesh
Boron	B	7440-42-8	2N-4N	-300Mesh
Calcium Boride	CaB_6	12007-99-7	2N	-20-100Mesh
Cerium Boride	CeB_6	12008-02-5	2N5	-325Mesh
Chromium Diboride	CrB_2	12007-16-8	2N	-325Mesh
Hafnium Boride	HfB_2	12007-23-7	2N5	D50<5μm
Iron (II) Boride	FeB	12006-84-7	2N	-325Mesh
Lanthanum hexaborid	LaB_6	12008-21-8	2N5	-325Mesh
Magnesium Boride	MgB_2	12007-25-9	2N	-325Mesh D90<20μm
Manganese Boride	MnB	63412-06-6	2N5	-100Mesh
Molybdenum boride (MoB)	MoB	12006-98-3	2N/2N5	-325Mesh
Niobium Boride	NbB	12045-19-1	2N	-100Mesh
Silicon boride	SiB_6	12008-29-6	2N/2N5	D50:2~5μm
Tantalum Diboride	TaB_2	12007-35-1	2N	-325Mesh
Titanium Boride	TiB_2	12045-63-5	2N-3N5	-400Mesh D90:1-2μm
Tungsten pentameboride	W_2B	12007-10-2	2N5	-325Mesh
Vanadium Boride	VB_2	12007-37-3	2N	-325Mesh
Zirconium Boride	ZrB_2	12045-64-6	2N5	-325Mesh



Si

Silicides

CHEMICAL NAME	FORMULA	CAS No.	PURITY	PARTICLE SIZE
Calcium Silicide	$CaSi_2$	12013-56-8	2N	-325Mesh
Chromium Silicide	$CrSi_2$	12018-09-6	2N5	D50<10μm
Cobalt Silicon	$CoSi_2$	12017-12-8	2N5	-325Mesh
Copper silicide	Cu_5Si	12159-07-8	2N5	-325Mesh
Hafnium Silicide	$HfSi_2$	12401-56-8	2N	-325Mesh
Iron Silicide	$FeSi_2$	12022-95-6	2N	-325Mesh
Magnesium Silicide	Mg_2Si	22831-39-6	2N	-200Mesh
Molybdenum Silicide	$MoSi_2$	12136-78-6	2N/2N5	-325Mesh D90<12μm
Niobium Silicide	$NbSi_2$	12034-80-9	2N5	-325Mesh
Silicon	Si	7440-21-3	2N-4N	-325Mesh D90<5μm
Tantalum disilicide	$TaSi_2$	12039-79-1	2N5	D50:30~50μm
Tantalum Silicide	TaSi	12039-79-1	2N5	-325Mesh
Titanium Silicide	$TiSi_2$	12039-83-7	2N5	-325Mesh
Titanium silicide	Ti_5Si_3	12067-57-1	2N5	-325Mesh
Tungsten Silicide	WSi_2	12039-88-2	2N5	-325Mesh
Vanadium Silicide	VSi_2	12039-87-1	2N	-200Mesh
Zirconium Silicide	$ZrSi_2$	12039-90-6	2N5	-325Mesh





Nano Powders

Nanomaterials are materials that have at least one dimension of nanometer size (1-100 nm) in three-dimensional space or are composed of them as basic units, and are widely used in biomedical, optical and electronic fields.

Pure Metal Powder

Product Name	Formula	Purity (%)	Particle Size (nm)	BET (m2/g)	Volume Density (g/cm3)	Form	Color
Aluminum Powder	Al	>99.0	50	20	0.23	spherical	Black
Bismuth Powder	Bi	>99.0	40	39.6	0.9	spherical	Black
Chromium Powder	Cr	>99.0	60	24.8	1.03	spherical	Black
Cobalt Powder	Co	>99.0	30	40.3	0.19	spherical	Black
Copper Powder	Cu	>99.0	60	18	0.3	spherical	Black-Brown
Indium Powder	In	99	80	16.8	1.19	square	Black
Iron Powder	Fe	>99.0	50	20	2.3	spherical	Black
Molybdenum Powder	Mo	>99.0	40	16	1.2	spherical	Black
Nickel Powder	Ni	>99.0	50	23.2	0.22	spherical	Black
Silicon Powder	Si	>99.0	30	42.4	0.19	spherical	Yellow
Silver Powder	Ag	>99.0	20	42	0.5	spherical	Ash Black
Tantalum Powder	Ta	99	60	24.4	1.05	spherical	Black
Tin Powder	Sn	>99.0	50	45.3	0.42	spherical	Black
Titanium Powder	Ti	>99.0	40	38.3	0.19	spherical	Black
Tungsten Powder	W	>99.0	50	12	2	spherical	Black
Zinc Powder	Zn	99	80	12.3	0.62	spherical	Black-Purple

Metal Alloy Powder

Product Name	Formula	Purity(%)	Particle Size (nm)	BET (m2/g)	Volume Density (g/cm3)	Form	Color
Aluminum Silicon Alloy Powder	AlSi	>99.0	80	8.14	0.24	spherical	Black
Copper Nickel Alloy Powder	CuNi	>99.0	55	12.3	0.15	spherical	Dark-Black
Copper Tin Alloy Powder	CuSn	>99.0	80	7.39	0.19	spherical	Black
Copper Zinc Alloy Powder	CuZn	>99.0	60	10.2	0.18	spherical	Black
Iron Nickel Alloy Powder	FeNi	>99.0	80	7.12	0.22	spherical	Black
Tin Bismuth Alloy Powder	SnBi	99	50	13.46	0.64	spherical	Black

Sulfide Powder

Product Name	Formula	Purity (%)	Particle Size (nm)	BET (m2/g)	Volume Density (g/cm3)	Form	Color
Molybdenum Disulfide Powder	MoS_2	99	50	35.46	0.912	subsphaeroidal	Black
Tungsten Sulfide Powder	WS_2	99	50	34.21	1.102	subsphaeroidal	Black

Silicide Powder

Product Name	Formula	Purity(%)	Particle Size (nm)	BET (m2/g)	Volume Density (g/cm3)	Form	Color
Hafnium Silicide Powder	$HfSi_2$	99	<1.0μm	12.47	5.12	Cubic	Black
Molybdenum Silicide Powder	$MoSi_2$	99	<1.0μm	24.24	4.21	Cubic	Black
Tantalum Silicide Powder	$TaSi_2$	99	50	36.23	5.16	Cubic	Grey Black
Zirconium Silicide Powder	$ZrSi_2$	99	<1.0μm	14.24	2.262	Square	Black

Oxide Powder

Product Name	Formula	Purity (%)	Particle Size (nm)	BET (m2/g)	Volume Density (g/cm3)	Form	Color
Aluminum Oxide Powder	Al_2O_3	99	10-20	85-65	0.25	γ	Black
Bismuth Oxide Powder	Bi_2O_3	99	50	8.6	0.65	spherical	Yellow
Cerium Oxide Powder	CeO_2	>99.0	30-60	22		subsphaeroidal	Off-White
Cobalt Oxide Powder	CoO	99	30	40	0.7	spherical	Black
Copper Oxide Powder	CuO	99	40	38	0.7	subsphaeroidal	Black
Copper Oxide Powder	CuO	99	100	20	1.2	subsphaeroidal	Black
Ferrosoferric oxide Powder	Fe_3O_4	99	50	32	0.77	spherical	Black
Hafnium Oxide Powder	HfO_2	99.5	100	20.43	1.28	subsphaeroidal	White
Indium Oxide Powder	In_2O_3	>99.9	50	15	1.304	Cubic, subsphaeroidal	Yellow
Indium Oxide-Tin Oxide Powder	ITO	99.99	30	82	0.6	subsphaeroidal	Yellow/Blue
Iron Oxide Powder	Fe_2O_3	99	30	41	0.69	α	Red
Iron Oxide Powder	Fe_2O_3	99	50	31	0.78	γ	Red-Brown
Magnesium Oxide Powder	MgO	99	50	30	0.8	subsphaeroidal	White
Molybdenum Dioxide Powder	MoO_2	>99.9	50	55	0.96	Cubic	Dark-Purple
Molybdenum Oxide Powder	MoO_3	>99.0	50	31	0.78	subsphaeroidal	Baby-Blue
Nickel Oxide Powder	NiO	99	50	32	0.76	spherical	Black
Niobium Oxide Powder	Nb_2O_5	99	100	19.84	1.34	Monoclinic	White
Silicon Oxide Powder	SiO_2	99	20	80	0.23	subsphaeroidal	White
Tantalum pentoxide Powder	Ta_2O_5	99	100	20.45	1.29	Monoclinic	White
Tin Oxide Powder	SnO_2	99.9	30	80	0.63	subsphaeroidal	Off-White
Tin Oxide-Antimony Oxide Powder	ATO	99.5	40	70	0.85	subsphaeroidal	Baby-Blue
Titanium Oxide Powder	TiO_2	99	20	65	0.45	Anatase	White
Titanium Oxide Powder	TiO_2	99	30	60	0.55	Rutile	White
Tungsten Oxide Powder	WO_3	99.95	50-300	2.8-15	1.645	subsphaeroidal	Yellow
Yttrium Oxide Powder	Y_2O_3	>99.0	30-50, 50-80				
Zinc Oxide Powder	ZnO	99	30	63	0.58	subsphaeroidal	White
Zirconium Oxide Powder	ZrO_2	99	40	40	0.71	Monoclinic	White
Zirconium Oxide Powder	ZrO_2	99	50	38	0.78	3γ square	White
Zirconium Oxide Powder	ZrO_2	99	50	38	0.78	5γ square	White
Zirconium Oxide Powder	ZrO_2	99	50	37	0.8	8γ square	White

Carbide Powder

Product Name	Formula	Purity (%)	Particle Size (nm)	BET (m2/g)	Volume Density (g/cm3)	Form	Color
Boron Carbide Powder	B_4C	>99.0	60	39	1	Hexagonal	Black
Boron Carbide Powder	B_4C	>99.0	700	5.2	1.49	Hexagonal	Black
Chromium Carbide Powder	Cr_3C_2	>99.0	100	30.2	2.14	Monoclinic	Black
Chromium Carbide Powder	Cr_3C_2	>99.0	600	12.3	3.12	Monoclinic	Greyish-green
Hafnium Carbide Powder	HfC	>99.0	800	8.3	4.2	Cubic	Ash Black
Molybdenum Carbide Powder	Mo_2C	>99.0	100	31.9	3.41	Hexagonal	Ash Black
Molybdenum Carbide Powder	Mo_2C	>99.2	800	8.24	4.17	Hexagonal	Dark Gray
Niobium Carbide Powder	NbC	>99.0	100	31.7	3.49	Hexagonal	Black Brown
Niobium Carbide Powder	NbC	>99.0	800	8.18	4.8	Hexagonal	Grey Brown
Silicon Carbide Powder	SiC	>99.0	40	39.8	0.11	Cubic	Greyish-green
Silicon Carbide Powder	SiC	>99.0	600~800	3.2	1.52	Cubic	Greyish-green
Tantalum Carbide Powder	TaC	>99.0	100	32.8	3.1	Cubic	Brownish Black
Tantalum Carbide Powder	TaC	>99.0	800	8.38	4.1	Cubic	Brown
Titanium Carbide Powder	TiC	>99.0	50	38.7	0.12	Cubic	Black
Tungsten Carbide Powder	WC	>99.0	60	40	1.12	Hexagonal	Black
Vanadium Carbide Powder	VC	>99.0	80	30.1	2.14	Cubic	Black
Vanadium Carbide Powder	VC	>99.0	700	8.3	2.8	Cubic	Black
Zirconium Carbide Powder	ZrC	>99.0	50	30.2	0.07	Cubic	Black
Zirconium Carbide Powder	ZrC	>99.0	200	9.5	1.19	Cubic	Black



Nitride Powder

Product Name	Formula	Purity (%)	Particle Size (nm)	BET (m2/g)	Volume Density (g/cm3)	Form	Color
Aluminum Nitride Powder	AlN	>99.0	50	42	0.15	Hexagonal	White
Aluminum Nitride Powder	AlN	>99.0	500	12.9	1.15	Hexagonal	Offwhite
Boron Nitride Powder	BN	>99.0	50	43.6	0.11	Hexagonal	White
Boron Nitride Powder	BN	>99.0	600	9.16	2.3	Hexagonal	White
Chromium Nitride Powder	CrN	>99.0	100	33.2	3.19	Cubic	Grey Black
Chromium Nitride Powder	CrN	>99.1	800	9.23	4.6	Cubic	Grey Brown
Silicon Nitride Powder	Si_3N_4	>99.0	10	59.6	0.09		White
Sub micron Silicon Nitride Powder	Si_3N_4	>99.0	800	10.3	1.16	Cubic	Offwhite
High purity Silicon Nitride Powder	Si_3N_4	>99.9	1000	9.8	1.2	Cubic	Offwhite
Titanium Nitride Powder	TiN	>99.0	20	60.2	0.12	Cubic	Black
Sub micron Titanium Nitride Powder	TiN	>99.0	700	10	2.3	Cubic	Pale Yellow
N RICH Titanium Nitride Powder	TiN	>99.0	700	10.6	2.3	Cubic	Yellow
Titanium Oxynitride Powder	TiON	>99.0	30	60.13	0.06	subsphaeroidal	White
Vanadium Nitride Powder	VN	>99.0	40	30.2	1.29	Cubic	Black
Zirconium Nitride Powder	ZrN	>99.0	800	9.16	4.78	Cubic	Pale Yellow

Boride Powder

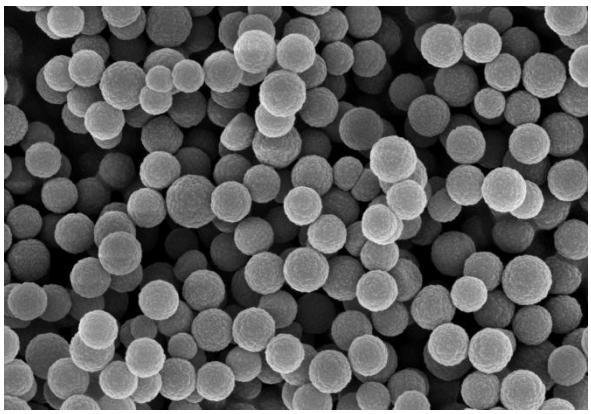
Product Name	Formula	Purity (%)	Particle Size (nm)	BET (m2/g)	Volume Density (g/cm3)	Form	Color
Boron Powder	B	>99.0	50-80	35.46	0.09	Amorphous form	Black Brown
Hafnium Boride Powder	HfB_2	>99.0	50	40.23	0.16	Hexagonal	Black
Lanthanum Hexaborid Powder	LaB_6	>99.0	50	48.16	0.09	Hexagonal	Black Purple
Titanium Boride Powder	TiB_2	>99.0	50	45.16	0.09	Hexagonal	Black
Zirconium Boride Powder	ZrB_2	99	40	48.56	0.08	Hexagonal	Black

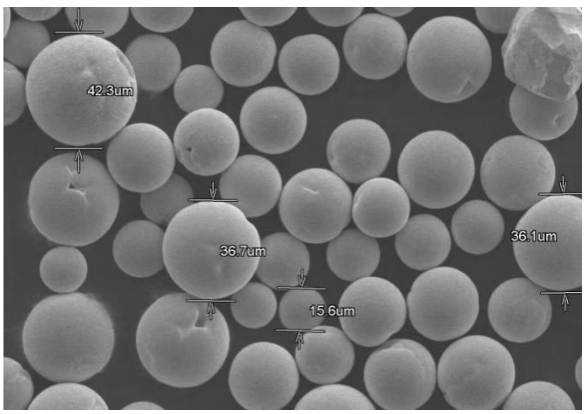
3D Printing Spherical Powder

The spherical powder for 3D printing offered by FUNCMATER has high purity, high sphericity, low oxygen content, good fluidity, etc.

CHEMICAL NAME	FORMULA	PURITY	PARTICLE SIZE
Titanium Spherical powder	Ti	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
GR5 Titanium Alloy Spherical powder	Ti-6Al-4V	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
GR5(high tenacity) Titanium Alloy Spherical powder	Ti-6Al-4V	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
Titanium Alloy Spherical powder	Ti-6.5Al-3.5Mo-1.5Zr-0.3Si	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
A-1(GR6) Titanium Alloy Spherical powder	Ti-5Al-2.5Sn	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
A-4(Ti-811) Titanium Alloy Spherical powder	Ti-8Al-1Mo-1V	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
Titanium Alloy Spherical powder	Ti-6.5Al-1Mo-1V-2Zr	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
Titanium Aluminum Alloy Spherical powder	Ti47Al2Cr2Nb	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
High Niobium Titanium Aluminum Alloy Spherical powder	TiAlNb	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
HastelloyC276 High temperature alloy Spherical Powder	Ni-Mo-Cr-Fe-W	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
Hastelloy Alloy X Spherical Powder	Ni-Mo-Cr-Fe	99.9%/99.99 %	10-45μm/15-53μm/45-105μm
Hastelloy188 Cobalt-based High temperature alloy Spherical Powder	Co-Ni-Cr-W	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
Inconel 625 Alloy Spherical Powder	0Cr20Ni65Mo10Nb4	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
Inconel718 Alloy Spherical powder	Ni-Cr-Fe-Nb-Mo	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
A14130 Aluminium Alloy Spherical powder	AlSi12	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
AlSi9Cu3 Aluminium Alloy Spherical powder	AlSi9Cu3	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
AlMg4.5Mn0.4 Aluminium Alloy Spherical powder	AlMg4.5Mn0.4	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
A03560 Aluminium Silicon Magnesium Alloy spherical powder	AlSi7Mg	99.9%-99.99 %	10-45μm/15-53μm/45-105μm
A03600 Aluminium Silicon Magnesium Alloy spherical powder	AlSi10Mg	99.95%-99.99 %	0-25μm/15-53μm/45-105μm /75-150μm
2024 Aluminium Base Spherical powder（GB/T 3190-2008）	AlCuMnMgCrZn	99.9%-99.99 %	0-25μm/15-53μm/45-105μm /75-150μm
7075 Aluminium Base Spherical powder（GB/T 3190-2008）	AlZnMgCu1.5	99.9%-99.99 %	0-25μm/15-53μm/45-105μm /75-150μm
17-4PH Stainless steel Spherical powder	Fe-Cr17Ni4Cu4Nb	99.9%-99.99 %	45-105μm/53-150μm
17-7PH Stainless steel Spherical powder	Fe-Base	99.9%-99.99 %	45-105μm/53-150μm
304L Stainless steel Spherical powder	Fe-Cr19Ni10	99.9%-99.99 %	45-105μm/53-150μm
316L Stainless steel Spherical powder	Fe-Cr17Ni14Mo2	99.9%-99.99 %	45-105μm/53-150μm
410 Stainless steel Spherical powder	Fe-Cr13	99.9%-99.99 %	45-105μm/53-150μm
18Ni300 Die steel Spherical powder	Fe-Base	99.9%-99.99 %	45-105μm/53-150μm

Vms-12Cr9Ni Die steel Spherical powder	Fe-Base	99.9%-99.99 %	45-105μm/53-150μm
H13 Die steel Spherical powder	Fe-4Cr5MoSiV	99.9%-99.99 %	45-105μm/53-150μm
420 Die steel Spherical powder	Fe-Base	99.9%-99.99 %	45-105μm/53-150μm
S590 Spherical high speed steel powder	CoCrMoVW	99.9%-99.99 %	45-105μm/53-150μm
A30 Spherical high speed steel powder	CoCrMoVW	99.9%-99.99 %	45-105μm/53-150μm
S390 Spherical high speed steel powder	CoCrMoVWMn	99.9%-99.99 %	45-105μm/53-150μm
Stellite21 Cobalt-base Alloy Spherical powder	Co-Cr-Mo	99.9%-99.99 %	45-105μm/53-150μm
Stellite6 Cobalt-base Alloy Spherical powder	Co-Cr-W	99.9%-99.99 %	45-105μm/53-150μm
Stellite12Cobalt-base Alloy Spherical powder	Co-Cr-W-Fe	99.9%-99.99 %	45-105μm/53-150μm
Cobalt Chromium Tungsten Alloy Spherical powder	CoCrW	99.9%-99.99 %	0-25μm/15-53μm /45-105μm/75-150μm
Cobalt Chromium Molybdenum Alloy Spherical powder	CoCrMo	99.9%-99.99 %	15-300μm
Cobalt Chromium Molybdenum Tungsten Alloy Spherical powder	CoCrMoW	99.9%-99.99 %	15-300μm
6J11 Copper Base alloy Spherical powder	Cu-Base	99.9%-99.99 %	150-325μm
Copper Iron Alloy Spherical powder	CuFe	99.9%	150-325μm
Copper Chromium Alloy Spherical powder	CuCr	99.9%	150-325μm
Copper Chromium Zirconium Alloy Spherical powder	CuCrZr	99.5 %-99.9 %	150-325μm
e.g.FeCoNiCrMn	FeCoNiCrMn	99.9%-99.99 %	10-45μm/15-53μm45-105μm
Nickel Aluminum Alloy Spherical Powder	NiAl	99.9%-99.99 %	10-45μm/15-53μm45-105μm
NiTi50 Alloy Spherical powder	NiTi50		10-45μm/15-53μm45-105μm
Nb521 Spherical powder	Nb521		10-45μm/15-53μm45-105μm





Thermal Spraying Powder

Thermal spray technology enables the formation of protective or functional surface coatings on substrate materials or workpieces, which have a wide range of important applications in many industrial fields worldwide.

Thermal Spray Processes

- Plasma spray
- Flame spray
- High velocity oxy-fuel coating spray (HVOF)
- Electric arc spray
- Cold spray

CHEMICAL NAME	FORMULA	PARTICLE SIZE
Crystalline Tungsten Powder	W	
Macrocry Stalline Tungsten Carbide Powder	WC	0.84mm-0.038mm
Chromium Carbide Powder	CrC	-60-325mesh
Cast Tungsten Carbide Powder	WC	5.0mm-0.038mm
Spherical Cast Tungsten Carbide Powder	WC	2.5mm-0.010mm
Cemented Carbide Spray Powder	WC-Co	0.85mm-0.005mm
Atomized nickel Powder	Ni	-200mesh
Aluminum Silicon Alloy Powder	Al12Si	-120+325mesh
Stainless steel Powder	304L	+100Mesh-325Mesh
	316L	+100Mesh-326Mesh
	317L	+100Mesh-327Mesh
	410L	+100Mesh-328Mesh
	430L	+100Mesh-329Mesh
	434L	+100Mesh-330Mesh

Nickel-Base Self-fluxing alloy Powder	Ni5Cr1B2Si5Fe	-140+325mesh
	Ni7Cr1.5B2.8Si5Fe	-140+325mesh
	Ni9Cr2B3Si5Fe	-140+325mesh
	Ni3Cr2.5B3Si1OFe	-140+325mesh
	Ni15Cr3B3Si10Fe	-140+325mesh
	Ni17Cr3.5B4Si3Fe	-140+325mesh
	Ni17Cr3.5B4Si2Fe	-140+325mesh
	Ni17Cr3.5B4Si10Fe	-140+325mesh/-45+151 μ m
	Ni22Al1.5W	-325mesh
	Ni21Cr3W15Mo2Fe2Co	-140+325mesh
	Ni6Co6Cr1Ti3Mo4Al30W3Fe	-140+325mesh
Nickel Chromium Aluminum Yttrium Alloy Powder	Ni22Cr11AlY	-270+400Mesh
	Co32Ni21Cr8Al0.5Y	-270+400Mesh
	CoCrAlYTaSi	-270+400Mesh
Copper-Base Spraying Powder	Cu10Al	-140+325Mesh
	Cu36Ni5In	-140+325Mesh
Cobalt-Base Spraying Powder	Co8Cr28Mo2.6Si	-140+325mesh
	CoCrW	-140+325mesh
	Co31.5Cr12.5W2.5C3Ni1.4Si	-140+325mesh
	Co30Cr8W1.6C3Ni1.4Si	-140+325mesh
	Co30Cr4.5W1C3Ni1.4Si	-60+160mesh
	Co28Cr0.25C3Ni1Si5	-140+325mesh
	Co25.5Cr7.5W0.5C10.5Ni1Si	-140+325mesh
	Co21Cr5W0.1C1Ni1.6Si2.4B	-140+325mesh
Iron-based Spraying Powder	Fe15Cr1B1Si	-140+325mesh
	Fe17Cr12B1Si2.4Mo0.1Mn	-140+325mesh
	Fe17Cr20Ni4Mo1Mn	-140+325mesh
	Fe13Cr1.6B1.2Si0.8Mo	-140+325mesh
	Fe5C1Si1.8B43Cr	-140+325mesh
	Fe21Cr1.5B3.5Si10Ni2Mo0.8Mn0.5V	-140+325mesh
	Fe21Cr1.7B3.5Si10Ni2Mo0.8Mn0.7V	-140+325mesh
	Fe87Cr13	-140+325mesh
	Fe6Ni2W13Cr2.5Mo2.5	-140+325mesh
	Fe5Mn5Si10Ni13Cr	-140+325mesh
	Fe13Mn2Si6Ni13Cr	-140+325mesh
Ceramics Spraying Powder	Y2O3+Zr2O3	-200+325mesh
	Al2O3	-200+400mesh
	40TiO2 60Al2O3	-40+20 μ m
	Cr2O3	-40+20 μ m
	TiO2	-40+20 μ m

Composite Spraying Powder	Ni20Al	-200+400mesh
	Ni5Al	-140+325mesh
	Ni22MoS2	-140+325mesh
	Ni25Cg	-140+325mesh
	Ni50Cg	-140+325mesh
	Ni23Al2O3	-140+325mesh
	WC12Ni	-140+325mesh
	WC12Co	-325+500Mesh
	WC17Co	-325+500Mesh
	WC25Co	-325+500Mesh
	WC10Co4Cr	-325+500Mesh
	20NiCr80Cr3C2	-325+500Mesh
	25NiCr75Cr3C2	-325+500Mesh
	30NiCr70Cr3C2	-325+500Mesh
	Fe28W4Al9Cr5Ni2C	-140+325mesh
	NiCr5Al	-140+325mesh
	NiCoCrAlY	-140+325mesh
Silver-Base Alloy Powder	Ag18Cu	-120+325mesh
	Ag	-120+325mesh

