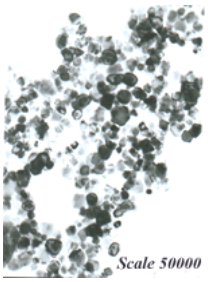
Nanometer Powder



Nanometer material is developed very quickly. From 2001, China Rare Metal Material Co., Ltd offer a series of nanometer powder. In the past years, our customer are satisfied with our powder. Mainly frange include oxide nanopowder, carbide nanopowder, nitride nanopowder, other nanopowder. Primary methods to manufacture nano-powder, Sol-Gel technology, plasma arc vapor method.

Metal Nano-Powder

Name	Sign	Size(D50 nm)	Purity	Name	Sign	Size(D50 nm)	Purity
Sliver	Ag	50nm	99.96	Magnesium	Mg	50nm	99.90%
Sliver	Ag	70nm	99.90%	Zinc	Zn	50nm	99.96%
Copper	Cu	40nm	99.90%	Zinc	Zn	50nm	99.90%
Copper	Cu	50nm	99.96	Gold	Au	12-15nm	99.96%
Iron	Fe	50nm	99.96%	Cobalt	Co	50nm	99.96%
Iron	Fe	50nm	99.90%	Cobalt	Co	40nm	99.90%
Aluminium	Al	40nm	99.90%	Titanium	Ti	40nm	99.96%
Aluminium	Al	50nm	99.96%	Titanium	Ti	55nm	99.90%
Molybdenum	Mo	80nm	99.90%	Chromium	Cr	60nm	99.96%
Molybdenum	Mo	70nm	99.96%	Chromium	Cr	40nm	99.90%
Tungstem	W	80nm	99.90%	Nickel	Ni	50nm	99.96%
Tungstem	W	60nm	99.96%	Nickel	Ni	50nm	99.90%
Platinum	Pt	2-5nm	99.96%	Tin	Sn	80nm	99.96%
Manganese	Mn	50nm	99.96%	Tin	Sn	90nm	99.90%
Manganese	Mn	50nm	99.90%	Graphite	C	35nm	99.90%
Magnesium	Mg	50nm	99.96%				

Compound Nano-Powder (Oxide,Carbide,Nitride,other Compound)

NAME	SIGN	PURITY (%)	GRANULARITY SIZE (D50)	SPECIFIC SURFACE AREA (m2/g)
Aluminum Nitride	AlN	99.1	D50<50nm	115m2/g
Aluminum Oxide	Al2O3	99.999	D50<20nm	25m2/g
Aluminium Oxide(Gama)	ヲト-Al2O3	99.93	D50<20nm	
Aluminium Oxide	ヲチ-Al2O3	99.93	D50<13nm	
Aluminium Oxide	Al2O3	99.9	D50<65nm	
Antimony Doped Tin Oxide	ATO	99.99	D50<20-50nm	45m2/g
Bismuth Oxide	Bi2O3	99.9	D50<80nm	
Cerium Oxide	CeO2	99.5	D50<10-30nm	96.7m2/g
Cerium Dioxide	CeO2	99.9	D50<20nm	
Chrominium Trioxide	Cr2O3	99.9	D50<60nm	
Copper Monoxide	CuO	99.9	D50<40nm	
Cobalt Oxide	Co3O4	99.9	D50<30nm	
Dysprosium Oxide	Dy2O3	99.9	D50<40nm	
Erbium Oxide	Er2O3	99.9	D50<30-50nm	30-60m2/g
Europium Oxide	Eu2O3	99.999	D50<80-100nm	30-40m2/g
Gadolinium Oxide	Gd2O3	99.9	D50<40-60nm	30-55m2/g
Indium Oxide	In2O3	99.999	D50<20-70nm	
Indium Oxide +Tin Oxide	ITO	99.99	D50<30-100nm	
Iron Tetroxide	Fe3O4	99.9	D50<20nm?	
Iron Monoxide	FeO (black)	99.9	D50<20nm	
Iron Trioxide (Gama)	Fe2O3-magnetism,	99.9	D50>20nm	
Iron Trioxide (Alpha)	Fe2O3	99.9	D50<30nm	
Lanthanun Hexaboride	LaB6	99.5	D50<100nm	
Magnesium Oxide	MgO	99.9	D50<40	50m2/g
Magnesium Oxide	MgO	99.9	D50<50nm	
Neodymium Oxide	Nd2O3	0.999	D50<40nm	
Nickel Monoxide	NiO	99.9	D50<30nm	
Neodymium Oxide	Nd2O3	99.95	D50<40-80nm	30-50m2/g
Praseodymium Oxide	Pr6O11	99.5	D50<40-80nm	
Praseodymium Oxide	Pr6O11	99.9	D50<40nm	
Samarium Oxide	Sm2O3	99.95	D50<40-80nm	

Samarium Oxide	Sm2O3	99.9	D50<40nm	
Silicon Dioxide	SiO2	99.9	D50<30nm	
Tin Dioxide	SnO2	99.9	D50<50nm	
Silicon Nitride (whisker)	Si3N4。。	99	D50<20nm	115m2/g
Silicon Nitride (Amorphous)	Si3N4	99	100/800nm	45m2/g
Beta-Silicon Carbide	Sic	99	D50<50nm	90m2/g
Silicon Dioxide	SiO2	99, 99.5	D50<10nm	600m2/g
Titanium Carbide	TiC	99	D50<20nm	120m2/g
Titanium Nitride	TiN	97	D50<20nm	120m2/g
Titanium Dioxide	TiO2	99.99	D50<5nm	120m2/g
Titanium Dioxide	TiO2 - rutile	99.9	D50<35nm	
Titanium Dioxide	TiO2 - Anatase	99.9	D50<10nm	
Yttrium Oxide	Y2O3	99.999	D50<30-70nm	30-50m2/g
Yttrium Oxide	Y2O3	0.999	D50<30nm	
Zirconium Carbide	ZrC	97	D50<60nm	70m2/g
Zirconium Oxide	ZrO2	99.9	D50<20nm	25m2/g
Zinc Oxide	ZnO	99.6	D50<20	90m2/g
Zirconium Oxide	ZrO2	0.9998	D50<10nm	
Zinc Oxide	ZnO	99.9	D50<30nm	

Other nano-powder include **Nano-La2O3, Nano-Nd2O3, Nano-Tb4O7, Nano-Dy2O3, Nano-Ho2O3, Nano-Tm2O3, Nano-Yb2O3, Nano-Lu2O3, Nano-Sc2O3 ...**

Also CRM offer a series compound nano-material