



Mo2C powder basic information introduction

Product introduced,performance and technical:

Molybdenum carbide,Chemical formula Mo2C,Molecular weight,203.88,Carbon content 5.89%,Density: 8.90g/cm3,Melting point 2690°C.It's a dark-grey colored metal powder with a compact hexagonal crystal. As a new functional material with very high fusing point and hardness, good thermal and mechanical stability and superb anticorrosive feature, it is applied widely in heat resistant, anti-frication and chemical corrosion resistant fields and so forth. With an electronic structure and catalytic properties similar to noble metal and as a kind of catalase, it can also be extensively applied in organic and chemical industries.

Product application:

Widely uses in response like response and so on alkane isomerization which, unsaturated hydrocarbon hydrogenation, hydrodesulfurizing and denitrogenation has the hydrogen to participation catalysts, serves as the ultra hard tool material, the anti-friction material, the heating element material as well as the high temperature structural material.

Mo2C powder technical data:

GRADE	CHEMICAL COMPOSITION(max,%)									
	Total carbon	Free carbon	Impurities (max,%)							
			Nb	Fe	Si	O	N	Na	K	Ca
LF-Mo2C	≥5.85	≤0.20	0.01	0.05	0.05	0.50	0.10	0.01	0.005	0.01

Particle size:0.5-500micron ,5-400mesh

Particle size and chemical composition are modified on request.