



VC powder basic information introduction

Product introduced:

Vanadium carbide,Chemical formula VC, Molecular weight 62.95, Carbon content 19.08%,Density 5.41g/cm³ ,Melting point 2800°C,Boiling point 3900°C.Vanadium carbide is gray metallic powder with cubic system structure of NaCl type, crystalline constant is 4.182Å. The carbide is chemical stable and has excellent high-temperature property. It can be used in cutting tool and steel industry, also can be used as additive to fine the WC cemented carbide crystal to improve the property of alloy.

Product application:

Applies in flinty domains and so on thin film, target material, welding material, hard alloy, cermet, aerospace.

Product performance and technical:

Gray metal powder, is one new material which produces through the new craft, Purity high, the grain-size distribution is even, May improve the hard alloy as the hard alloy and cermet's chemical additive each performance.

VC powder technical data:

GRADE	CHEMICAL COMPOSITION(%)									
	Total carbon	Free carbon	Impurities (max,%)							
			Nb	Fe	Si	O	N	Na	K	Ca
LF-VC	≥17.7	≤0.5	0.01	0.05	0.01	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.