



ZrC powder basic information introduction

Molecular weight: 103.22

Carbon content: 11.64%

Density: 6.73g/cm³

Melting point:3540°C

Boiling point: 5100°C

Zirconium carbide is gray metallic powder with cubic system structure of NaCl type. The metal carbide powder is chemical stable and has excellent high-temperature property. The mixture of TaC and ZrC(with the mole ratio 4:1)is a thermionic emission having very high melting point.The fine ZrC powder is an important cermet material, which can make cutting tool, military material, incandescent flame, and pyroconductor, et.

Gray metal powder, is one new material which produces through the new craft, Purity high, the grain-size distribution is even, high surface activity, has thermostatic, Oxidation resistance, intensity high, degree of hardness high, the thermal conductivity is good, toughness is good, Is one kind of important high MP, high strength and anti-corrosive high temperature structural, welding thermal spray coating material, and has the highly effective absorption visible light, reflection infrared and wear protection solution, stored energy regeneration and so on characteristic.

ZrC powder technical data:

GRADE	CHEMICAL COMPOSITION(max,%)									
	Total carbon	Free carbon	Impurities (max,%)							
			Nb	Fe	Si	O	N	Na	K	Ca
LF-ZrC	≥11.2	≤0.50	0.005	0.05	0.005	0.50	0.05	0.005	0.005	0.05

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

Particle size and chemical composition are modified on request.