



HfC powder basic information introduction

Product introduced:

Hafnium carbide,Chemical formula HfC,Molecular weight 190.5,Carbon content 6.30%. The product is chemical stable and has excellent high-temperature property. Density 12.7g/cm³,Boiling point: 3890°C.

Product application:

Hafnium carbide powder is manufacture high technology and new technology domain and so on high performance hard alloy, aerospace, atomic energy, electronic, coating, flinty thin film and metallurgy automation key materials.Very suitable for rocket nozzle, can make to return to the atmosphere space rocket nose cone parts. Used in ceramic industry, etc.

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, high surface activity, has thermostably, 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 material.

HfC powder technical data:

GRADE	CHEMICAL COMPOSITION(max,%)									
	Total carbon	Free carbon	Impurities (max,%)							
			Nb	Fe	Si	O	N	Na	K	Ca
LF-HfC	≥6.15	≤0.30	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.