

### Product Data Sheet

#### Boron Carbide

##### Chemical

	Boron	Total C	B <sub>4</sub> C
F4 – F150	77-80 %	17-21 %	96-98 %
F180 – F400	76-79 %	17-21 %	95-97 %
F500 – F800	75-78 %	17-21 %	94-95 %
F1000 – F1500	74-78 %	17-21 %	91-94 %
-10μ or -25μ	76-81 %	17-21 %	93-97 %
-100, -200, -325 mesh	76-81 %	17-21 %	93-97 %
-60 + 150 mesh	76-81 %	17-21 %	93-97 %
 B <sub>2</sub> O <sub>3</sub>	 max 1.0 %		
Fe <sub>2</sub> O <sub>3</sub>	max 0.5 %		

##### Physical

Density >2.48 g/cm<sup>3</sup> hot pressed and sintered

#### Boron Carbide

##### Appearance

Black powder

##### Application

Refractory, Wear Resistant and Structural Ceramics  
Metal Matrix Composites  
Nuclear Shielding  
Grinding, Polishing and Lapping  
Ballistic armour

Material can also be supplied as hot pressed and sintered pieces up to 400 x 400 mm<sup>2</sup>

CAS Number 12069-32-8

Transport Non hazardous