

Description of Product

Chemical formula	B ₄ C
Trade Name:	Boron Carbide from 2 mm to 20 m ² /g
Application:	Neutron absorber Material, Ballistic, technical ceramic- Nozzels, Cutting tools, Wear protection

Product Number:

IKH 915

Typical Chemical Properties

Chemical	Typical Value
B:C Ratio	3,6 - 3,9
Carbon, wt %	21,5
Iron, wt %	0,2
Oxygen, wt %	1,8
Nitrogen, wt %	0,7
Silicon, wt %	0,15
Aluminium, wt %	0,05

Typical Physical Properties

On customer demand from 2 mm to 20 m²/g BET

Typical Material Characteristics

Characteristic	Typical Value
Density	2,51
Melting Point	2350° C
Hardness	9,6 Mohs
Thermal Conductivity	40W/m.K

