

Grain Size Distribution

On customer demand from 2 mm grain size to 20m²/g specific surface area (BET)

Chemical Composition

B:C ratio	3.6 – 3.9
B ₄ C	base
Fe	< 0.15%
Ca	< 0.02%
Al	< 0.04%
Ti	< 0.01%
Si	< 0.56%

These properties are typical but do not constitute specifications

Physical Properties

Theoretical Density	~ 2.51 g/cm ³
Melting Point	2350 °C
Hardness	30 – 40 HV ₁₀
Thermal Conductivity	30 W/(m·K)
Color	dark grey

1) at 20kN/cm²



Applications

Neutron Absorber Material, Ballistic, Nozzels, Cutting Tools, Wear Protection