

SiC/B₄C Ready To Press Powder

Description of Product

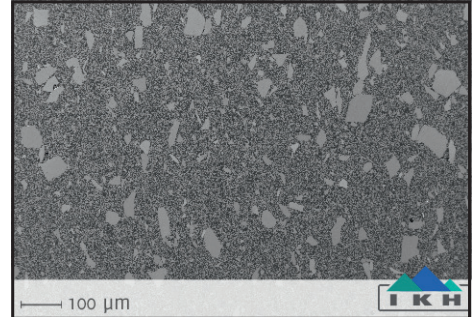
Chemical formula:SiC/B₄C
 Trade Name: RTP SiC/B₄C
 Application: Ballistic tiles

Product Number:

IKH 655

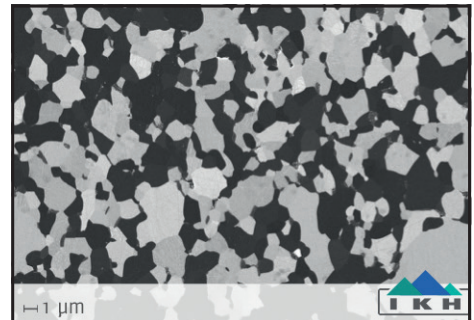
Typical Chemical Properties

Chemical	Typical Value
SiC	60 %
B ₄ C	40 %
Al ₂ O ₃	<0,1 %
CaO	<0,1 %
Fe ₂ O ₃	<0,1 %



Typical Physical Properties

d _{10%}	20 µm
d _{50%}	80 µm
d _{90%}	160 µm



Typical Powder Characteristics

Chemical	Typical Value
Flexual strength	280-320 MPa
Green density ¹⁾	1,77 g/cm ³
Sintered density ¹⁾	2,87 g/cm ³
Shrinkage	14-15 %
Δm (Weight loss after sintering)	11-12 %

¹⁾ at 20kN/cm²

Sinter temperature2050-2150 °C

Debinding600 °C

