IKH 551
SiC

Grain Size Distribution

	Specific surface area (BET)
503	3 m^2/g
504	4 m^2/g
505	5 m^2/g
507	7 m^2/g
509	9 m^2/g
510	10 m^2/g
511	11 m^2/g
513	13 m^2/g
515	15 m^2/g
525	25 m^2/g
530	30 m^2/g

Other grain sizes on request

Chemical Composition

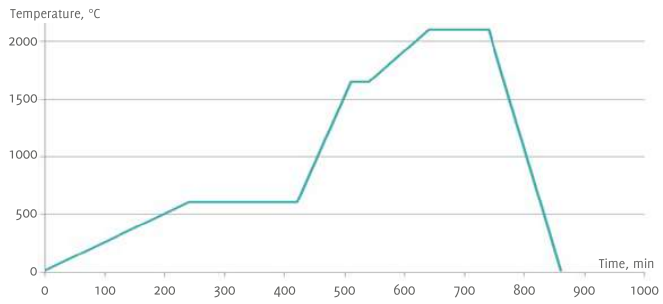
SiC	base
Fe	< 0.5 %
Ca	< 0.1 %
Al	< 0.5 %
Ti	< 0.1 %
Mg	< 0.1 %
Na	< 0.1 %
K	< 0.1 %
free Si	< 0.1 %
free C	< 0.1 %

These properties are typical but do not constitute specifications

Physical Properties

Theoretical Density	~ 3.21 g/cm^3
Melting Point	2300 °C
Hardness	25 HV_{10}
Thermal Conductivity	100 – 140 W/(m·K)

Recommended Sintering Conditions



The shown debinding and sintering cycles are exemplary. More information on request.

Applications

Furnace Components, Burner Nozzles, Refractory Tiles, Heat Exchangers, Pump Valves, Bearings, Textile Guides, Turbine Vanes, Engine Parts, Electronic Processing Equipment, Protective Coatings

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