



KT Refractories US Company

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Silicon Carbide/ Nitride Bonded Brick Specs

Property	Unit	Guarantee value
Apparent porosity	%	16
Bulk density	g/cm ³	2.65
Cold crushing strength	MPa	180
HMOR (1400 °C ×0.5h)	MPa	50
Thermal conductivity at 1000°C/1832°F	W/m•k	18
Refractoriness under load	°C	T _{0.6%} > 1700 °C
Mean thermal expansion coefficient (20-1000 °C)	%	4.0×10 ⁻⁶ /°C
SiC	%	73
Si ₃ N ₄	%	22