

Technical Data Sheet

Product Name: Sintered Silicon Carbide Seal
Catalog No.: SC4670
Density: 3.05-3.15 g/cm³
Shape: Seal
Purity: 97%~99%



Properties

Properties	Unit	SSiC
Volume Density	g/cm ³	≥3.10
Vickers Hardness	HV _{0.5}	≥2200
Rockwell Hardness	HRA	≥92
Compression Strength	MPa	≥2000
Flexural Strength	MPa	≥400
Elastic Modulus	GPa	≥380
Maximum Temp.	°C	1600
Thermal Conductivity	W/(m*k)	<160
Coefficient of Thermal Expansion (RT-1000°C)	10 ⁻⁶ /°C	≤5.0
Grain Size	μm	≤10
Pore Size on surface	μm	<0.1

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By..... *W. J. ...*