

## Technical Data Sheet

**Product Name:** Sintered Silicon Carbide Ring  
**Catalog No.:** SC4671  
**Density:** 3.1 g/cm<sup>3</sup>  
**Shape:** Ring  
**Purity:** 98%



### Properties

Properties	Unit	SSiC
Purity	%	≥98
Density	g/cm <sup>3</sup>	3.1
Shore Hardness	HS	120-130
Elastic Modulus	MPa	4.10x10 <sup>5</sup>
Poisson Ratio	-	0.16
Tensile Strength	MPa	2.8x10 <sup>2</sup>
Bending Strength	MPa	4.9x10 <sup>2</sup>
Compression Strength	MPa	3.0x10 <sup>2</sup>
Thermal Conductivity	W/m.k	147
Coefficient of Thermal Expansion	l/°C	4.0x10 <sup>-6</sup>
Heat Resistance	-	165 CTC
Thermal Impact Coefficient	cal/cm-sec	200
Tolerance	mm	-0.02 -- +0.02

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