

# Technical Bulletin

## **CRYSTAR<sup>®</sup> Material Property Data**

Property	Unit	Typical Value
<b>Density</b>	<b>%</b>	<b>3.05 g/cm<sup>3</sup></b>
<b>Porosity</b>	<b>%</b>	<b>&lt;1.0</b>
<b>Silicon Content</b>	<b>%</b>	<b>20</b>
<b>Elastic Modulus</b>	<b>GPa</b>	<b>350</b>
<b>Bending Strength (@1200 °C)</b>	<b>MPa</b>	<b>170</b>
<b>Thermal Conductivity (@ 25 °C)</b>	<b>W/m °K</b>	<b>225</b>
<b>Coef. Of Thermal Expansion</b>	<b>/ °C</b>	<b>4.8 x 10<sup>-6</sup></b>
<b>Specific Heat</b>	<b>J / Kg °C</b>	<b>1130</b>
<b>Emissivity</b>		<b>0.8</b>
<b>Electrical Resistivity</b>	<b>Ohm-cm</b>	<b>0.1</b>

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