

## Blasch Ceramics NITRON Nitride bonded SiC

Category : Ceramic , Carbide

**Material Notes:**

Features: Properties suit many severe operating conditions  
 Good wear and abrasion  
 Resists wetting by non-ferrous metals  
 High mechanical strength  
 Excellent Thermal shock resistance

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Blasch-Ceramics-NITRON-Nitride-bonded-SiC.php](http://www.lookpolymers.com/polymer_Blasch-Ceramics-NITRON-Nitride-bonded-SiC.php)

Physical Properties	Metric	English	Comments
Porosity	16 %	16 %	

Mechanical Properties	Metric	English	Comments
Modulus of Rupture	0.0414 GPa	6.00 ksi	

Thermal Properties	Metric	English	Comments
CTE, linear	4.68 $\mu\text{m}/\text{m}\cdot\text{°C}$	2.60 $\mu\text{in}/\text{in}\cdot\text{°F}$	
	@Temperature 20.0 °C	@Temperature 68.0 °F	
Thermal Conductivity	14.0 - 20.0 W/m-K	97.2 - 139 BTU-in/hr-ft <sup>2</sup> -°F	

Component Elements Properties	Metric	English	Comments
Si <sub>3</sub> N <sub>4</sub>	21 %	21 %	
SiC	70 %	70 %	
SiO <sub>2</sub> + Si <sub>2</sub> O <sub>3</sub>	8.9 %	8.9 %	

## Contact Songhan Plastic Technology Co.,Ltd.

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