

Pyrolytic Boron Nitride Ceramic Material Properties-SU0024

Properties	Unit	Value	
Lattice Constant	μm	a: 2.504×10^{-10}	c: 6.692×10^{-10}
Apparent Density	g/cm^3	2.0-2.19	-
Microhardness (Knoop)(ab planes)	N/mm^2	691.88	-
Volume Resistivity	$\Omega\cdot\text{cm}$	3.11×10^{11}	-
Tensile Strength	N/mm^2	153.86	-
Flexible Strength	N/mm^2 ("c" direction)	243.63	-
	N/mm^2 ($\perp$ "c" direction)	197.76	-
Elastic Modulus	N/mm^2	235690	-
Thermal Conductivity	$\text{W/m}\cdot\text{k}$	"a" direction	"c" direction
	$\text{W/m}\cdot\text{k}$ (200°C)	60.00	2.60
	$\text{W/m}\cdot\text{k}$ (900°C)	43.70	2.80
Dielectric Constant (Room Temp.)	KV/mm	56.00	-

Remark: The value is just for review, different using conditions will have a little difference.

Xiamen Innovacera Advanced Materials Co.,Ltd

 Block A, 6/F, No.588 Jiahe Road, Torch High-tech Industrial District, Xiamen, China 361006.

 0086 592 558 9730

 0086 592 558 9733

 sales@innovacera.com

 www.innovacera.com