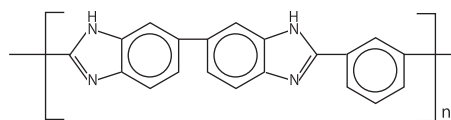


Property Table

P B I (Natural PBI)

Celazole[®] SCM7000 (Compression molded)



※Celazole is registered trademark of PBI Performance Product

Properties	Test method ASTM	Unit	PBI (Natural PBI) SCM7000
● Physical properties			
Specific Gravity	JIS K7112	-	1.3
Water Absorption 23°C 24hr	ASTM D570	%	0.4
● Mechanical properties			
Tensile Strength	ASTM D638	MPa	160
Elongation	ASTM D638	%	3
Flexural Strength	ASTM D790	MPa	220
Flexural Modulus	ASTM D790	GPa	6.5
Izot impact, Notched	ASTM D256	J/m ⁻¹	30
Rockwell Hardness	ASTM D785	-	A50
● Thermal properties			
Coefficient of Thermal Expansion	JIS K7197	ppm°C ⁻¹	23
Heat Deflection Temperature	ASTM D648	°C	410
Thermal conductivity	ASTM F433	Wm ⁻¹ K ⁻¹	0.4
Volume Resistivity	ASTM D257	Ω m	2.0X10 ¹³
● Electrical property			
Surface Resistivity	ANSI/ESD STM11.13	Ω sq ⁻¹	>10 ¹³

The above values are for reference only and are not guaranteed.

YP16-PBI-11

