

Product Data Sheet of SKYGREEN JN200

● Sheet Property (ASTM Method)

Property	Test Method	Unit	Typical Values
Physical			
Specific Gravity	ASTM D792	-	1.23
Mold Shrinkage Parallel to Flow	ASTM D955	%	0.2 – 0.5
Water Absorption (24 hr immersion)	ASTM D570	%	0.13
Rockwell Hardness	ASTM D785	R-scale	105
Mechanical			
Tensile Strength @ Yield 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm ²) Psi	45 (460) 6500
Tensile Strength @ Break 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm ²) psi	53 (540) 7700
Elongation @ Yield 50mm/min (2 inch/min)	ASTM D638	%	5.0
Elongation @ Break 50mm/min (2 inch/min)	ASTM D638	%	340
Flexural Strength 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm ²) psi	67 (685) 9700
Flexural Modulus 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm ²) psi	1800 (18300) 2.6x10 ⁵
Izod Impact Strength, Notched @ 23 °C(73 °F)	ASTM D256	J/m(kgf · cm/cm) ft · lbf/in	NB
Thermal			
Heat Distortion Temperature @ 0.455 MPa(66 psi)	ASTM D648	°C (°F)	74 (165)
@ 1.82 MPa(264 psi)		°C (°F)	64 (147)
Vicat Softening Temperature @ 1kg load	ASTM D1525	°C (°F)	88 (190)
Optical			
Haze	ASTM D1003	%	< 1.0
Transmittance	ASTM D1003	%	91
Electrical			
Volume Resistivity	ASTM D257	Ohm · cm	10 ¹⁵
Surface Resistivity	ASTM D257	Ohm	10 ¹⁶
Dielectric Constant @ 1kHz	ASTM D150	-	2.8
@ 1MHz			2.6
Dissipation Factor @ 1kHz	ASTM D150	-	0.006
@ 1MHz			0.019
Flammability			
UL Flammability Classification @ min. 3.0 thickness	UL 94	-	HB

