

SKYGREEN JN200 物性表

● 片材性能 (ASTM Method)

性能	Test Method	Unit	Typical Values
物理性能			
密度	ASTM D792	-	1.23
模具收缩率	ASTM D955	%	0.2 – 0.5
吸水率 (浸泡 24 hr)	ASTM D570	%	0.13
洛氏硬度	ASTM D785	R-scale	105
机械性能			
拉伸强度 @ 屈服点 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm ²) Psi	45 (460) 6500
拉伸强度 @ 断裂点 50mm/min (2 inch/min)	ASTM D638	MPa (kgf/cm ²) psi	53 (540) 7700
伸长率 @ 屈服点 50mm/min (2 inch/min)	ASTM D638	%	5.0
伸长率 @ 断裂点 50mm/min (2 inch/min)	ASTM D638	%	340
弹性强度 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm ²) psi	67 (685) 9700
弹性模量 1.27mm/min (0.05 inch/min)	ASTM D790	MPa (kgf/cm ²) psi	1800 (18300) 2.6x10 ⁵
Izod 抗冲强度, Notched @ 23 °C(73 °F)	ASTM D256	J/m(kgf · cm/cm) ft · lbf/in	NB
热性能			
热变形温度 @ 0.455 MPa(66 psi)	ASTM D648	°C (°F)	74 (165)
@ 1.82 MPa(264 psi)		°C (°F)	64 (147)
维卡软化温度 @ 1kg load	ASTM D1525	°C (°F)	88 (190)
光学性能			
雾度	ASTM D1003	%	< 1.0
透光率	ASTM D1003	%	91
电学性能			
电阻系数	ASTM D257	Ohm · cm	10 ¹⁵
表面电阻率	ASTM D257	Ohm	10 ¹⁶
介电常数 @ 1kHz	ASTM D150	-	2.8
@ 1MHz			2.6
消耗因数 @ 1kHz	ASTM D150	-	0.006
@ 1MHz			0.019
阻燃性			
UL 阻燃级别 @ min. 3.0 thickness	UL 94	-	HB

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