

SKYGREEN® JN200

Polycyclohexylenedimethylene Terephthalate, Glycol

SK Chemicals

Message:

SKYGREEN® JN200 is a Polycyclohexylenedimethylene Terephthalate, Glycol (PCTG) material. It is available in Asia Pacific, Europe, or North America. Primary attribute of SKYGREEN® JN200: Flame Rated.

General Information			
UL YellowCard		E215991-270391	
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.23	g/cm ³	ASTM D792
Molding Shrinkage - Flow	0.20 to 0.50	%	ASTM D955
Water Absorption (24 hr)	0.13	%	ASTM D570
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	105		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	45.0	MPa	ASTM D638
Yield	45.0	MPa	ISO 527-2/50
Break ²	53.0	MPa	ASTM D638
Break	53.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ³	5.0	%	ASTM D638
Yield	5.0	%	ISO 527-2/50
Break ⁴	340	%	ASTM D638
Break	340	%	ISO 527-2/50
Flexural Modulus ⁵	1800	MPa	ASTM D790, ISO 178
Flexural Strength ⁶	67.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	No Break		ASTM D256
23°C	130	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	70.0	°C	
1.8 MPa, Unannealed	62.0	°C	
Flammability	Nominal Value	Test Method	
Flame Rating			UL 94
1.50 mm	HB		
3.00 mm	HB		

Optical	Nominal Value	Unit	Test Method
Transmittance	90.0	%	ASTM D1003
Haze	< 1.0	%	ASTM D1003
NOTE			
1.	50 mm/min		
2.	50 mm/min		
3.	50 mm/min		
4.	50 mm/min		
5.	1.3 mm/min		
6.	1.3 mm/min		

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