

SKYGREEN® JN100

Polycyclohexylenedimethylene Terephthalate, Glycol

SK Chemicals

Message:

SKYGREEN® JN100 is a Polycyclohexylenedimethylene Terephthalate, Glycol (PCTG) material. It is available in Asia Pacific, Europe, or North America.

General Information			
Forms	Pellets		
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	
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

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

