

SKYGREEN® KN200

Polyethylene Terephthalate Glycol Comonomer

SK Chemicals

Message:

SKYGREEN® KN200 is a Polyethylene Terephthalate Glycol Comonomer (PETG) material. It is available in Asia Pacific, Europe, or North America. Primary attribute of SKYGREEN® KN200: Flame Rated.

General Information			
UL YellowCard	E215991-270392		
Physical	Nominal Value	Unit	Test Method
Density	1.27	g/cm ³	ASTM D1505
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)	108		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			
Yield ¹	50.0	MPa	ASTM D638
Yield	50.0	MPa	ISO 527-2/50
Break ²	29.0	MPa	ASTM D638
Break	29.0	MPa	ISO 527-2/50
Tensile Elongation			
Yield ³	4.5	%	ASTM D638
Yield	4.5	%	ISO 527-2/50
Break ⁴	180	%	ASTM D638
Break	180	%	ISO 527-2/50
Flexural Modulus ⁵	2100	MPa	ASTM D790, ISO 178
Flexural Strength ⁶	69.0	MPa	ASTM D790, ISO 178
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact			
23°C	110	J/m	ASTM D256
23°C	12	kJ/m ²	ISO 180
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			
0.45 MPa, Unannealed	70.0	°C	ASTM D648, ISO 75-2/B
1.8 MPa, Unannealed	62.0	°C	ASTM D648, ISO 75-2/A
Flammability	Nominal Value	Test Method	
Flame Rating (1.60 to 1.70 mm)	HB	UL 94	
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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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

