Kepex® 3330GFS

Polybutylene Terephthalate

Korea Engineering Plastics Co., Ltd

Message:

KEPEX 3330GFS is an impact modified, 30% glass fiber reinforced PBT.
It exhibits good mechanical, thermal, and electrical properties.
It is applicable to automotive, electrical, electronic, and industrial parts.

General Information			
UL YellowCard	E120354-220473		
Filler / Reinforcement	Glass fiber reinforced material, 30% filler by weight		
Additive	Impact modifier		
Features	Impact modification Impact resistance, good		
Uses	Electrical/Electronic Applications Electrical components Industrial application Application in Automobile Field		
Forms	Particle		
Physical	**Nominal Value**	**Unit**	**Test Method**
Specific Gravity	1.48	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	11	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.40 - 0.80	%	ASTM D955
Hardness	**Nominal Value**	**Unit**	**Test Method**
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength (Yield, 23°C)	113	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	8340	MPa	ASTM D790
Flexural Strength (23°C)	196	MPa	ASTM D790
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact (23°C)	120	J/m	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load			ASTM D648
0.45 MPa, not annealed	220	°C	ASTM D648
1.8 MPa, not annealed	210	°C	ASTM D648
Melting Temperature	220	°C	DSC
Flammability	**Nominal Value**		**Test Method**

Flame Rating (0.800 mm)	HB	UL 94

Injection	Nominal Value	Unit
Hopper Temperature	230 - 250	°C
Rear Temperature	230 - 250	°C
Middle Temperature	230 - 250	°C
Front Temperature	230 - 250	°C
Nozzle Temperature	230 - 250	°C
Mold Temperature	40.0 - 100	°C

Recommended distributors for this material

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