

Keplex® 3730GF

Polybutylene Terephthalate + PET

Korea Engineering Plastics Co., Ltd

Message:

Keplex® 3730GF is a Polybutylene Terephthalate + PET (PBT+PET) material filled with 30% glass fiber. It is available in Asia Pacific, Europe, or North America.

Important attributes of Keplex® 3730GF are:

Flame Rated

Good Aesthetics

Good Weather Resistance

Typical applications include:

Automotive

Electrical/Electronic Applications

Industrial Applications

General Information			
UL YellowCard	E120354-220473		
Filler / Reinforcement	Glass Fiber,30% Filler by Weight		
Features	Good Surface Finish		
	Good Weather Resistance		
Uses	Automotive Applications		
	Electrical/Electronic Applications		
	Industrial Applications		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.56	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (265°C/2.16 kg)	30	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.40 to 0.80	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale, 23°C)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	137	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	9220	MPa	ASTM D790
Flexural Strength (23°C)	206	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	73	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	220	°C	
1.8 MPa, Unannealed	210	°C	

Melting Temperature	220 to 250	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	HB		UL 94
Additional Information	Nominal Value	Unit	Test Method
Filler Content ¹	30	%	ASTM D5630
Injection	Nominal Value	Unit	
Rear Temperature	230 to 270	°C	
Middle Temperature	230 to 270	°C	
Front Temperature	230 to 270	°C	
Mold Temperature	40.0 to 100	°C	
NOTE			

1. Furnace

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Recommended distributors for this material

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