

Keplex® 3715GF

Polybutylene Terephthalate + PET

Korea Engineering Plastics Co., Ltd

Message:

KEPEX 3715GF is a 15% glass fiber reinforced PBT/PET alloy.

It exhibits good surface smoothness and 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, 15% Filler by Weight		
Features	Good Electrical Properties		
	Good Surface Finish		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.42	g/cm ³	ASTM D792
Molding Shrinkage - Flow (3.00 mm)	0.70 to 1.1	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	117		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	98.1	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.5	%	ASTM D638
Flexural Modulus (23°C)	5100	MPa	ASTM D790
Flexural Strength (23°C)	147	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	54	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	218	°C	
1.8 MPa, Unannealed	185	°C	
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 to 270	°C
Rear Temperature	230 to 270	°C
Middle Temperature	230 to 270	°C
Front Temperature	230 to 270	°C
Nozzle Temperature	230 to 270	°C
Mold Temperature	40.0 to 100	°C

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