

Keplex® 3305GK

Polybutylene Terephthalate

Korea Engineering Plastics Co., Ltd

Message:

Keplex® 3305GK is a Polybutylene Terephthalate (PBT) material filled with 5.0% glass fiber. It is available in Asia Pacific, Europe, or North America.

Important attributes of Keplex® 3305GK are:

Flame Rated

Flame Retardant

Typical applications include:

Electrical/Electronic Applications

Automotive

General Information			
UL YellowCard	E120354-220474		
Filler / Reinforcement	Glass Fiber,5.0% Filler by Weight		
Features	Flame Retardant		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.50	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	68.6	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	4.5	%	ASTM D638
Flexural Modulus (23°C)	3430	MPa	ASTM D790
Flexural Strength (Yield, 23°C)	127	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	29	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	200	°C	
1.8 MPa, Unannealed	95.0	°C	
Melting Temperature	222	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	V-0		UL 94

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Recommended distributors for this material

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