

Keplex® 3740GM7

Polybutylene Terephthalate + PET

Korea Engineering Plastics Co., Ltd

Message:

KEPEX 3740GM7 is a 40% glass fiber/mineral reinforced PBT/PET alloy.

It exhibits good surface smoothness and low warpage.

It is applicable to automotive, electrical, electronic, and industrial parts.

General Information			
Filler / Reinforcement	Glass\Mineral,40% Filler by Weight		
Features	Good Surface Finish		
	Low Warpage		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.60	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (275°C/5.0 kg)	40	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)	108	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	2.0	%	ASTM D638
Flexural Modulus (23°C)	8340	MPa	ASTM D790
Flexural Strength (23°C)	167	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	69	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	°C	DSC
Flammability	Nominal Value		Test Method
Flame Rating (0.800 mm)	HB		UL 94
Injection	Nominal Value	Unit	
Hopper Temperature	240 to 270	°C	

Rear Temperature	240 to 270	°C
Middle Temperature	240 to 270	°C
Front Temperature	240 to 270	°C
Nozzle Temperature	240 to 270	°C
Mold Temperature	40.0 to 100	°C

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