

Keplex® 3725M7

Polybutylene Terephthalate + PET

Korea Engineering Plastics Co., Ltd

Message:

KEPEX 3725M7 is a 25% mineral filled, reinforced PBT/PET alloy.

Excellent low warpage, good surface smoothness, and low fogging property.

It is applicable to head lamp bezel of automotive parts.

General Information			
Filler / Reinforcement	Mineral,25% Filler by Weight		
Features	Good Surface Finish		
	High Gloss		
	Low Warpage		
Uses	Automotive Applications		
	Thermal Reflectors		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.51	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (265°C/2.16 kg)	60	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.2 to 1.8	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	115		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	53.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	1.5	%	ASTM D638
Flexural Modulus (23°C)	4900	MPa	ASTM D790
Flexural Strength (23°C)	92.2	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	20	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	195	°C	
1.8 MPa, Unannealed	100	°C	
Melting Temperature	220 to 250	°C	
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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