

Keplex® 3600

Polybutylene Terephthalate

Korea Engineering Plastics Co., Ltd

Message:

KEPEX 3600 is an unfilled, high viscosity PBT.

Mechanical, thermal and electrical properties are good.

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

General Information			
Features	Good Electrical Properties		
	High Viscosity		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Industrial Applications		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.31	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	13	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	1.8 to 2.2	%	ASTM D955
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	120		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength (Yield, 23°C)	53.0	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	> 200	%	ASTM D638
Flexural Modulus (23°C)	2060	MPa	ASTM D790
Flexural Strength (23°C)	77.5	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	49	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	155	°C	
1.8 MPa, Unannealed	55.0	°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 260	°C
Rear Temperature	230 to 260	°C
Middle Temperature	230 to 260	°C
Front Temperature	230 to 260	°C
Nozzle Temperature	230 to 260	°C
Mold Temperature	40.0 to 100	°C

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