

Keplex® 3315GVU

Polybutylene Terephthalate

Korea Engineering Plastics Co., Ltd

Message:

KEPEX 3315GVU is a flame resistant and 15% glass fiber reinforced PBT.
It exhibits non-blooming type flame resistance, UL94 V-0 rating, and UV resistance.
It is applicable to automotive, electrical, electronic, and industrial parts.

General Information			
Filler / Reinforcement	Glass Fiber, 15% Filler by Weight		
Additive	UV Stabilizer		
Features	Flame Retardant		
	Good UV Resistance		
	Non-Blooming		
Uses	Automotive Applications		
	Electrical Parts		
	Electrical/Electronic Applications		
	Industrial Applications		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	1.55	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (250°C/2.16 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow (3.00 mm)	0.70 to 1.2	%	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)	88.3	MPa	ASTM D638
Tensile Elongation (Break, 23°C)	3.0	%	ASTM D638
Flexural Modulus (23°C)	5880	MPa	ASTM D790
Flexural Strength (23°C)	132	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	34	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load			ASTM D648
0.45 MPa, Unannealed	215	°C	
1.8 MPa, Unannealed	200	°C	
Melting Temperature	220	°C	DSC
Flammability	Nominal Value		Test Method

Flame Rating (0.800 mm)	V-0	UL 94
Injection	Nominal Value	Unit
Hopper Temperature	230 to 250	°C
Rear Temperature	230 to 250	°C
Middle Temperature	230 to 250	°C
Front Temperature	230 to 250	°C
Nozzle Temperature	230 to 250	°C
Mold Temperature	40.0 to 100	°C

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