

LyondellBasell Hglass SB224-2 Polypropylene Copolymer, 20% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: conventional melt flow, medium modulus, chemically coupled, glass fiber-reinforced polypropylene copolymer, high impact strength, moderate rigidity, good processability

Applications: office equipment components, lawn equipment housings, splice enclosures

Description: Hglass SB224-2 conventional melt flow, chemically coupled, 20% glass fiber-reinforced polypropylene copolymer has an excellent balance of strength, stiffness and impact resistance. Information provided by Montell Polyolefins. LyondellBasell is the successor company to Montell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hglass-SB224-2-Polypropylene-Copolymer-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Tool, Montell
Melt Flow	5.0 g/10 min @Load 2.16 kg, Temperature 230 °C	5.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Ultimate	51.0 MPa	7400 psi	ASTM D638
Tensile Strength, Yield	52.0 MPa	7540 psi	ASTM D638
Elongation at Break	8.0 %	8.0 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Modulus	2.60 GPa	377 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	2.10 J/cm	3.93 ft-lb/in	ASTM D256A
Izod Impact, Unnotched	6.40 J/cm	12.0 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	152 °C	306 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	125 °C	257 °F	ASTM D648
UL RTI, Mechanical with Impact	110 °C @Thickness 1.60 mm	230 °F @Thickness 0.0630 in	
	HB	HB	

Flammability: UL 94			
Thermal Properties	Metric	English	Comments
	@ Thickness 1.60 mm	@ Thickness 0.0630 in	

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