

LyondellBasell Hglass BJ44A Polypropylene Copolymer, 45% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: medium melt flow, high modulus, chemically coupled, glass fiber-reinforced polypropylene copolymer, high stiffness, good impact strength, excellent processability
Applications: grille opening panels and reinforcements, headlamp retainers
Description: Hglass BJ44A medium melt flow, chemically coupled, 45% glass fiber-reinforced polypropylene copolymer has excellent impact strength, high stiffness and very good processability. It was designed primarily for automotive under-the-hood applications. 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-BJ44A-Polypropylene-Copolymer-45-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	Tool, Montell
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	85.0 MPa	12300 psi	ASTM D638
Elongation at Break	6.0 %	6.0 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Modulus	7.00 GPa	1020 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	1.30 J/cm	2.44 ft-lb/in	ASTM D256A
Izod Impact, Unnotched	5.90 J/cm	11.1 ft-lb/in	ASTM D256A
Gardner Impact	5.00 J @Temperature -30.0 °C	3.69 ft-lb @Temperature -22.0 °F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	145 °C	293 °F	ASTM D648

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