

LyondellBasell Hiclass SB224-1 Polypropylene Copolymer, 10% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: conventional melt flow, medium modulus, chemically coupled, glass fiber-reinforced polypropylene copolymer, excellent impact strength, good processability
Applications: automotive wheel well housings, lawn equipment housings, recreational vehicle parts

Description: Hiclass SB224-1 conventional melt flow, chemically coupled, 10% 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-Hiclass-SB224-1-Polypropylene-Copolymer-10-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	0.960 g/cc	0.0347 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Tool, Montell
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	36.0 MPa	5220 psi	ASTM D638
Elongation at Break	9.0 %	9.0 %	ASTM D638
Flexural Modulus	1.60 GPa	232 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	1.70 J/cm	3.18 ft-lb/in	ASTM D256A
Izod Impact, Unnotched	5.30 J/cm	9.93 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 1.8 MPa (264 psi)	148 °C	298 °F	ASTM D648
UL RTI, Mechanical with Impact	115 °C @Thickness 1.60 mm	239 °F @Thickness 0.0630 in	
Flammability, UL94	HB @Thickness 1.60 mm	HB @Thickness 0.0630 in	

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