

LyondellBasell Hiclass PF072-2 Polypropylene Homopolymer, 20% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: conventional melt flow, medium high modulus, chemically coupled, glass fiber-reinforced polypropylene homopolymer, moderately high rigidity, high strength, good impact resistance
Applications: appliance parts, automotive components, pump housings, athletic equipment
Description: Hiclass PF072-2 high melt flow, chemically coupled, 20% glass fiber-reinforced polypropylene homopolymer has a very good 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-PF072-2-Polypropylene-Homopolymer-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0030 cm/cm	0.0030 in/in	Tool, Montell
Melt Flow	3.0 g/10 min @Load 2.16 kg, Temperature 230 °C	3.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	83.0 MPa	12000 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Modulus	4.50 GPa	653 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.850 J/cm	1.59 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	157 °C	315 °F	ASTM D648

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