

LyondellBasell Hiclass PF062-2 Polypropylene Homopolymer, 20% Glass Fiber

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: high melt flow, medium high modulus, chemically coupled, glass fiber-reinforced polypropylene homopolymer, high rigidity, high strength, excellent processability
Applications: appliance parts, automotive components, electrical connectors
Description: Hiclass PF062-2 high melt flow, chemically coupled, 20% glass fiber-reinforced polypropylene homopolymer has an excellent combination of strength, stiffness and processability.
 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-PF062-2-Polypropylene-Homopolymer-20-Glass-Fiber.php

Physical Properties	Metric	English	Comments
Density	1.05 g/cc	0.0379 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0040 cm/cm	0.0040 in/in	Tool, Montell
Melt Flow	23 g/10 min @Load 2.16 kg, Temperature 230 °C	23 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	73.0 MPa	10600 psi	ASTM D638
Elongation at Break	3.0 %	3.0 %	ASTM D638
Flexural Modulus	3.40 GPa	493 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.640 J/cm	1.20 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	156 °C	313 °F	ASTM D648

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