

LyondellBasell Astryn 65F5-4 Polypropylene Homopolymer, 40% Calcium Carbonate

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: conventional melt flow, high modulus, mineral-filled polypropylene homopolymer, high stiffness, excellent chemical resistance, good surface quality
Applications: automotive components, small and large appliances, housewares
Description: Astryn 65F5-4 conventional melt flow, 40% calcium carbonate-filled polypropylene homopolymer is designed for high stiffness, excellent chemical resistance and improved surface quality of molded parts. 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-Astryn-65F5-4-Polypropylene-Homopolymer-40-Calcium-Carbonate.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792B
Melt Flow	4.0 g/10 min @Load 2.16 kg, Temperature 230 °C	4.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Ultimate	16.0 MPa	2320 psi	ASTM D638
Tensile Strength, Yield	25.0 MPa	3630 psi	ASTM D638
Elongation at Break	50 %	50 %	ASTM D638
Elongation at Yield	4.0 %	4.0 %	ASTM D638
Flexural Modulus	2.20 GPa	319 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.270 J/cm	0.506 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	104 °C	219 °F	ASTM D648

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