

LyondellBasell Astryn 75F4-4 Polypropylene Copolymer, 40% Talc

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: conventional melt flow, high modulus, mineral-filled polypropylene copolymer, high strength, high stiffness, good

aesthetics
Applications: small appliances, electrical components, housewares
Description: Astryn 75F4-4 conventional melt flow, 40% talc-filled polypropylene copolymer has high strength and stiffness. 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-75F4-4-Polypropylene-Copolymer-40-Talc.php

Physical Properties	Metric	English	Comments
Density	1.26 g/cc	0.0455 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	88	88	ASTM D785
Tensile Strength, Ultimate	18.0 MPa	2610 psi	ASTM D638
Tensile Strength, Yield	25.0 MPa	3630 psi	ASTM D638
Elongation at Break	25 %	25 %	ASTM D638
Elongation at Yield	3.0 %	3.0 %	ASTM D638
Flexural Modulus	2.80 GPa	406 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	0.320 J/cm	0.599 ft-lb/in	ASTM D256A

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	119 °C	246 °F	ASTM D648

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