

LyondellBasell Astryn BE17FC Polypropylene Copolymer, 40% Calcium Carbonate

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: fractional melt flow, medium high modulus, UV-stabilized, mineral-filled, blow molding and extrusion grade polypropylene copolymer, excellent impact and stiffness balance, good melt strength, good processability, good weatherability
Applications: blow molded automotive ductwork, extruded sheet and profiles
Description: Astryn BE17FC fractional melt flow, UV-stabilized, precolored, 40% calcium carbonate-filled polypropylene copolymer is designed for a variety of extrusion and blow molding applications. It is characterized by an excellent balance of properties. 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-BE17FC-Polypropylene-Copolymer-40-Calcium-Carbonate.php

Physical Properties	Metric	English	Comments
Density	1.23 g/cc	0.0444 lb/in ³	ASTM D792B
Melt Flow	0.40 g/10 min @Load 2.16 kg, Temperature 230 °C	0.40 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	84	84	ASTM D785
Hardness, Shore D	74	74	ASTM D785
Tensile Strength, Ultimate	21.0 MPa	3050 psi	ASTM D638
Tensile Strength, Yield	27.0 MPa	3920 psi	ASTM D638
Elongation at Break	280 %	280 %	ASTM D638
Elongation at Yield	10 %	10 %	ASTM D638
Flexural Modulus	1.80 GPa	261 ksi	ASTM D790A
Izod Impact, Notched	3.50 J/cm	6.56 ft-lb/in	ASTM D256A
Tear Strength	130 kN/m	742 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	78.0 °C	172 °F	ASTM D648

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