

LyondellBasell Astryn BA16G Polypropylene Copolymer

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: fractional melt flow, medium modulus, UV-stabilized, extrusion grade polypropylene copolymer, good flexibility, high impact strength, good colorability, good processability, good weatherability
Applications: weatherstripping, profiles
Description: Astryn BA16G fractional melt flow, UV-stabilized, extrusion grade polypropylene copolymer has a good balance of flexibility, impact resistance, colorability and processability. It was designed for extruded components which require long periods of outdoor service.
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-BA16G-Polypropylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.890 g/cc	0.0322 lb/in ³	ASTM D792B
Linear Mold Shrinkage	0.014 cm/cm	0.014 in/in	Tool, Montell
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 230 °C	0.50 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	71	71	ASTM D785
Tensile Strength, Yield	28.0 MPa	4060 psi	ASTM D638
Elongation at Break	600 %	600 %	ASTM D638
Elongation at Yield	12 %	12 %	ASTM D638
Flexural Modulus	1.00 GPa	145 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	5.30 J/cm	9.93 ft-lb/in	ASTM D256A
Gardner Impact	11.0 J @Temperature -30.0 °C	8.11 ft-lb @Temperature -22.0 °F	ASTM D3029

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.0 °C	163 °F	ASTM D648

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