

LyondellBasell Astryn BB77G Polypropylene Copolymer, 15% Talc

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: high melt flow, high modulus, UV-stabilized, mineral-filled polypropylene copolymer, good impact stiffness and balance, good dimensional stability, good colorability, good aesthetics, excellent processability, good weatherability
Applications: automotive interior trim components, pillar moldings, sail panels
Description: Astryn BB77G high melt flow, UV-stabilized, 15% talc-filled polypropylene copolymer has an excellent balance of properties, Designed for automotive interior trim applications, this material colors easily, processes very well and provides parts with outstanding surface appearance. 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-BB77G-Polypropylene-Copolymer-15-Talc.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO Method 1183
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	Tool, Montell
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 230 °C	30 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	92	92	ISO Method 2039-2
Hardness, Shore D	64	64	ISO Method 868
Tensile Strength, Yield	22.0 MPa	3190 psi	ISO Method R527-1
Elongation at Break	20 %	20 %	ISO Method R527-1
Flexural Modulus	2.00 GPa	290 ksi	ISO Method 178
Izod Impact Resistance	0.320 J/cm ² @Temperature 23.0 °C	1.52 ft-lb/in ² @Temperature 73.4 °F	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	54.0 Åµm/m-Å°C @Temperature -30.0 - 30.0 Å°C	30.0 Åµin/in-Å°F @Temperature -22.0 - 86.0 Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	109 Å°C	228 Å°F	ISO Method 180

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