

LyondellBasell Astryn BB73F Polypropylene Copolymer, Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: high melt flow, high modulus, UV-stabilized, mineral-filled, high rigidity, good impact strength, good dimensional stability, good scratch and mar resistance, excellent processability, low fogging

Applications: door panels, map pockets bins, pillar moldings, seat belt guides

Description: Astryn BB73F high melt flow, UV-stabilized, precolored mineral-filled polypropylene copolymer has a very good combination of rigidity, impact strength, dimensional stability, scratch and mar resistance and processability. It was designed for a variety of automotive interior trim applications. 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-BB73F-Polypropylene-Copolymer-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.08 g/cc	0.0390 lb/in ³	ASTM D792B
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	ISO Method 2577
Melt Flow	19 g/10 min @Load 2.16 kg, Temperature 230 °C	19 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO Method R527
Elongation at Yield	4.0 %	4.0 %	ISO Method R527
Flexural Modulus	2.20 GPa	319 ksi	ISO Method 178
Izod Impact Resistance	0.350 J/cm ² @Temperature 23.0 °C	1.67 ft-lb/in ² @Temperature 73.4 °F	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	54.0 µm/m-°C @Temperature -30.0 - 30.0 °C	30.0 µin/in-°F @Temperature -22.0 - 86.0 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	114 °C	237 °F	ISO Method 180

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