

LyondellBasell Astryn EPKT25M Polypropylene Copolymer, Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: conventional melt flow, very high modulus, mineral-filled polypropylene copolymer, high rigidity, good impact resistance, good dimensional stability, low fogging
Applications: glove box close-outs
Description: Astryn EPKT25M conventional melt flow, mineral-filled polypropylene copolymer has a good balance of stiffness, impact resistance and dimensional stability. It was designed for a variety of non-cosmetic automotive interior 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-EPKT25M-Polypropylene-Copolymer-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.21 g/cc	0.0437 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ISO 2577
Melt Flow	6.0 g/10 min @Load 2.16 kg, Temperature 230 °C	6.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	90	90	ISO 2039-2
Hardness, Shore D	67	67	ISO 868
Tensile Strength, Yield	26.0 MPa	3770 psi	ISO R527
Elongation at Yield	4.0 %	4.0 %	ISO R527
Flexural Modulus	3.30 GPa	479 ksi	ISO 178
Izod Impact, Notched	3.20 J/cm @Temperature 23.0 °C	5.99 ft-lb/in @Temperature 73.4 °F	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	30.0 Åµm/m-Å°C @Temperature -30.0 - 30.0 Å°C	16.7 Åµin/in-Å°F @Temperature -22.0 - 86.0 Å°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	131 Å°C	268 Å°F	ISO 75

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