

LyondellBasell Astyrn EPKC10ZC Polypropylene Copolymer, Mineral Filled

Category : Polymer , Thermoplastic , Polypropylene (PP)

Material Notes:

Key Features: medium high melt flow, very high modulus, UV-stabilized, mineral-filled polypropylene copolymer, very high rigidity, good impact resistance, good weatherability, good processability
Applications: cowl net grilles
Description: Astyrn EPKC10ZC medium high melt flow, UV-stabilized, precolored, mineral-filled polypropylene copolymer has a good balance of stiffness, impact resistance, weatherability and processability. It was designed primarily for automotive exterior 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-Astyrn-EPKC10ZC-Polypropylene-Copolymer-Mineral-Filled.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	ISO 2577
Melt Flow	11 g/10 min @Load 2.16 kg, Temperature 230 °C	11 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	70	70	ISO 868
Tensile Strength, Yield	23.0 MPa	3340 psi	ISO R527
Elongation at Yield	5.0 %	5.0 %	ISO R527
Flexural Modulus	2.30 GPa	334 ksi	ISO 178
Izod Impact, Notched	3.90 J/cm @Temperature 23.0 °C	7.31 ft-lb/in @Temperature 73.4 °F	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	112 °C	234 °F	ISO 75

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