

LyondellBasell Hifax,ç ETA-3131E Thermoplastic Olefin Resin

Category : Polymer , Thermoplastic

Material Notes:

Key Features: fractional melt flow, medium modulus, extrusion grade thermoplastic olefin resin, excellent impact and stiffness balance, good practical impact, good processability
Applications: molded-in color automotive gimp moldings, profiles
Description: Hifax ETA-3131E fractional melt flow, extrusion thermoplastic olefin resin has an excellent combination of stiffness, low temperature impact resistnace and processability. It was primarily designed for various automotive exterior moldings.
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-Hifax-ETA-3131E-Thermoplastic-Olefin-Resin.php

Physical Properties	Metric	English	Comments
Density	0.910 g/cc	0.0329 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.011 cm/cm	0.011 in/in	Tool, Montell
Melt Flow	0.80 g/10 min @Load 2.16 kg, Temperature 230 °C	0.80 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D2240
Tensile Strength, Yield	26.0 MPa	3770 psi	ASTM D638
Elongation at Break	450 %	450 %	ASTM D638
Flexural Modulus	0.830 GPa	120 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	8.50 J/cm	15.9 ft-lb/in	ASTM D256A
Gardner Impact	28.0 J @Temperature -30.0 °C	20.7 ft-lb @Temperature -22.0 °F	ASTM D3029
Tear Strength	110 kN/m	628 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	75.0 °C	167 °F	ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	48.0 °C	118 °F	ASTM D648

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