

LyondellBasell Hifax,ç ETA-3081 Thermoplastic Olefin Resin

Category : Polymer , Thermoplastic

Material Notes:

Key Features: medium high melt flow, medium modulus, paintable thermoplastic olefin resin, excellent balance of properties, excellent processability, good paintability and paint durability, good surface appearance
Applications: molded-in color and painted automotive bumper fascias, air deflectors, step pads and filler panels, license plate pockets
Description: Hifax ETA-3081 medium high melt flow, paintable thermoplastic olefin resin has a vry good combinatio of physical properties, modability and paintability. An extemely verastile material, it was desgined for a wide variety of apinted and modled-in color automotive exterior components.
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-3081-Thermoplastic-Olefin-Resin.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	Tool, Montell
Melt Flow	9.0 g/10 min @Load 2.16 kg, Temperature 230 °C	9.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Yield	17.0 MPa	2470 psi	ASTM D638
Elongation at Break	550 %	550 %	ASTM D638
Flexural Modulus	0.550 GPa	79.8 ksi	Tangent at 0.05 in/min; ASTM D790A
Gardner Impact	34.0 J @Temperature -30.0 °C	25.1 ft-lb @Temperature -22.0 °F	ASTM D3029
Impact Test	22.0 J @Temperature -30.0 °C	16.2 ft-lb @Temperature -22.0 °F	Dynatup Impact, E at Max Load, Ductile; ASTM D3763
Tear Strength	100 kN/m	571 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Brittleness Temperature	-55.0 °C	-67.0 °F	ASTM D746

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