

LyondellBasell Hifax[®],ç CB228 Thermoplastic Olefin Resin

Category : Polymer , Thermoplastic

Material Notes:

Key Features: medium melt flow, medium high modulus, paintable thermoplastic elastomeric olefin resin, excellent impact and stiffness balance, good paintability, good processability
Applications: automotive claddings and rocker panels
Description: Hifax CB228 medium melt flow, mineral-filled thermoplastic elastomeric olefin resin has an excellent combination of stiffness and dynamic impact characteristics. It was designed primarily for automotive exterior ornamentation 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-Hifax-CB228-Thermoplastic-Olefin-Resin.php

Physical Properties	Metric	English	Comments
Density	0.990 g/cc	0.0358 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0090 cm/cm	0.0090 in/in	Tool, Montell
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 230 °C	8.0 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO R527-1
Elongation at Yield	10 %	10 %	ISO R527-1
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Izod Impact, Notched	0.350 J/cm @Temperature -40.0 °C	0.656 ft-lb/in @Temperature -40.0 °F	ISO 180
Impact Test	23.0 J @Temperature -30.0 °C	17.0 ft-lb @Temperature -22.0 °F	MAII, E at Max Load, Ductile; ISO 6603-2

Thermal Properties	Metric	English	Comments
CTE, linear	62.0 µm/m-°C @Temperature -30.0 - 100 °C	34.4 µin/in-°F @Temperature -22.0 - 212 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	83.0 °C	181 °F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	46.0 °C	115 °F	ISO 75

Thermal Properties

Metric

English

Comments

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