

LyondellBasell Hifax,ç CJ232 Thermoplastic Olefin Resin

Category : Polymer , Thermoplastic

Material Notes:

Key Features: medium high melt flow, medium modulus, low CLTE, paintable thermoplastic elastomeric olefin resin, excellent impact and stiffness balance, good dimensional stability, paintable

Applications: body side moldings, appliques

Description: Hifax CJ232 medium high melt flow, low CLTE, paintable thermoplastic elastomeric olefin resin has an exceptional combination of stiffness, impact resistance and dimensional stability. It was designed primarily for automotive exterior ornamentation applications requiring low thermal expansion characteristics and a moderate degree of flexibility. 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-CJ232-Thermoplastic-Olefin-Resin.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0060 cm/cm	0.0060 in/in	Tool, Montell
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 °C	10 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	59	59	ISO 868
Tensile Strength, Ultimate	17.0 MPa	2470 psi	ISO R527-1
Tensile Strength, Yield	14.0 MPa	2030 psi	ISO R527-1
Elongation at Break	500 %	500 %	ISO R527-1
Elongation at Yield	10 %	10 %	ISO R527-1
Flexural Modulus	0.750 GPa	109 ksi	ISO 178
Izod Impact, Notched	0.600 J/cm @Temperature -40.0 °C	1.12 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
	45.0 µm/m-°C	25.0 µin/in-°F	

CTE linear Thermal Properties	Metric @ Temperature -30.0 - 100 Â°C	English @ Temperature -22.0 - 212 Â°F	ASTM D696 Comments
Deflection Temperature at 0.46 MPa (66 psi)	70.0 Â°C	158 Â°F	ISO 75
Deflection Temperature at 1.8 MPa (264 psi)	43.0 Â°C	109 Â°F	ISO 75

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