

LyondellBasell Hifax,ç CA199AC Thermoplastic Olefin Resin

Category : Polymer , Thermoplastic

Material Notes:

Key Features: low melt flow, medium low modulus, paintable thermoplastic olefin resin, excellent balance of properties, high toughness, good paintability, flexible
Applications: automotive air bag door covers, closures and lid stock
Description: Hifax CA199AC low melt flow, paintable thermoplastic olefin resin exhibits balanced strength, toughness, flexibility and ductility. It is based on material produced from proprietary Montell process technology. 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-CA199AC-Thermoplastic-Olefin-Resin.php

Physical Properties	Metric	English	Comments
Density	0.890 g/cc	0.0322 lb/in ³	ASTM D792
Linear Mold Shrinkage	0.010 cm/cm	0.010 in/in	Tool, Montell
Melt Flow	2.5 g/10 min @Load 2.16 kg, Temperature 230 °C	2.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	52	52	ASTM D2240
Tensile Strength, Ultimate	12.0 MPa	1740 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	400 %	400 %	ASTM D638
Elongation at Yield	22 %	22 %	ASTM D638
Flexural Modulus	0.340 GPa	49.3 ksi	Tangent at 0.05 in/min; ASTM D790A
Izod Impact, Notched	5.90 J/cm	11.1 ft-lb/in	ASTM D256A
Gardner Impact	21.0 J @Temperature -30.0 °C	15.5 ft-lb @Temperature -22.0 °F	ASTM D3029
Impact Test	21.0 J @Temperature -30.0 °C	15.5 ft-lb @Temperature -22.0 °F	Dynatup Impact, E at Max Load, Ductile; ASTM D3763

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