

LyondellBasell Hifax®,ç BB222GC Thermoplastic Olefin Resin

Category : Polymer , Thermoplastic

Material Notes:

Key Features: medium melt flow, very high modulus, UV-stabilized thermoplastic elastomeric olefin resin, excellent impact and stiffness balance, excellent weatherability, high stiffness, good dimensional stability

Applications: molded-in color automotive claddings and rocker panels, license plate brackets, appliques

Description: Hifax BB222GC medium melt flow, UV-stabilized, weatherable, mineral-filled thermoplastic elastomeric olefin resin has an excellent balance of rigidity, low temperature impact and dimensional stability. It was designed for a variety of molded-in color 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-BB222GC-Thermoplastic-Olefin-Resin.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/in ³	ISO 1183
Linear Mold Shrinkage	0.0080 cm/cm	0.0080 in/in	Tool, Montell
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	7.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	69	69	ISO 868
Tensile Strength, Ultimate	14.0 MPa	2030 psi	ISO R527-1
Tensile Strength, Yield	21.0 MPa	3050 psi	ISO R527-1
Elongation at Break	100 %	100 %	ISO R527-1
Elongation at Yield	7.0 %	7.0 %	ISO R527-1
Flexural Modulus	2.00 GPa	290 ksi	ISO 178
Izod Impact, Notched	0.230 J/cm @Temperature -40.0 Â°C	0.431 ft-lb/in @Temperature -40.0 Â°F	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	50.0 Âµm/m-Â°C @Temperature -30.0 - 100 Â°C	27.8 Âµin/in-Â°F @Temperature -22.0 - 212 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa	107 Â°C	225 Â°F	

(56 psi) Thermal Properties	Metric	English	ISO 75 Comments
Deflection Temperature at 1.8 MPa (264 psi)	56.0 Â°C	133 Â°F	ISO 75

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China