

LyondellBasell Hifax[®],^ç Thermoplastic Polyolefin Elastomer

Category : Polymer , Thermoplastic , Elastomer, TPE , Thermoplastic Olefinic Elastomer (TPO) , Polyolefin

Material Notes:

Description: Hifax[®],^ç CB252 medium high melt flow, 1,200 MPa flexural modulus, paintable, mineral-filled thermoplastic elastomeric olefin (TEO) resin has very well balanced processability, rigidity, impact resistance and paintability. It was designed primarily for automotive exterior ornamentation applications, but also has utility in certain interior trim components requiring high impact resistance. Uses: Automotive exterior and interior parts Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hifax-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	0.990 g/cc	0.0358 lb/in ³	ISO 1183
Melt Flow	12 g/10 min @Load 2.16 kg, Temperature 230 °C	12 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	62	62	ISO 868
Tensile Strength at Break	15.0 MPa	2180 psi	ISO 527-1, -2
Tensile Strength, Yield	18.0 MPa	2610 psi	ISO 527-1, -2
Elongation at Break	450 %	450 %	ISO 527-1, -2
Elongation at Yield	10 %	10 %	ISO 527-1, -2
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Izod Impact, Notched (ISO)	3.70 kJ/m ² @Temperature -40.0 °C	1.76 ft-lb/in ² @Temperature -40.0 °F	ISO 180
	39.0 kJ/m ² @Temperature 23.0 °C	18.6 ft-lb/in ² @Temperature 73.4 °F	ISO 180
Dart Drop, Total Energy	21.0 J @Temperature -30.0 °C	15.5 ft-lb @Temperature -22.0 °F	Instrumented Energy at Maximum Load, Ductile Failure; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	61.0 µm/m-°C	33.9 µin/in-°F	ASTM D696

Thermal Properties	@Temperature -30.0 - Metric 100 Â°C	@Temperature -22.0 - English 212 Â°F	Comments
Deflection Temperature at 0.46 MPa (66 psi)	82.2 Â°C	180 Â°F	Unannealed; ISO 75B-1, -2
Deflection Temperature at 1.8 MPa (264 psi)	47.2 Â°C	117 Â°F	Unannealed; ISO 75A-1, -2
Shrinkage	0.70 %	0.70 %	Tool, 100x150x3.2 mm; Basell Test Method
	1.00 % @Temperature 121 Â°C, Time 3600 sec	1.00 % @Temperature 250 Â°F, Time 1.00 hour	Afterbake, 100x150x3.2 mm; Basell Method

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