

LyondellBasell Hifax[®],^ç CB276 Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hifax[®],^ç CB276 very high melt flow, 1,200 MPa flexural modulus, UV-stabilized, precolored, mineral-filled thermoplastic elastomeric olefin (TEO) resin has a very good combination of properties and processability. It was designed for exterior applications that require good cosmetics and undergo prolonged outdoor exposure. Uses: Automotive exterior parts
Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hifax-CB276-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 230 °C	30 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.0 MPa	2470 psi	ISO 527-1, -2
Elongation at Yield	13 %	13 %	ISO 527-1, -2
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Izod Impact, Notched (ISO)	3.20 kJ/m ² @Temperature -40.0 °C	1.52 ft-lb/in ² @Temperature -40.0 °F	ISO 180
	28.0 kJ/m ² @Temperature 23.0 °C	13.3 ft-lb/in ² @Temperature 73.4 °F	ISO 180
Dart Drop, Total Energy	21.0 J @Temperature 0.000 °C	15.5 ft-lb @Temperature 32.0 °F	Peak Energy, 135.0 m/min; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 µm/m-°C @Temperature -30.0 - 100 °C	38.9 µin/in-°F @Temperature -22.0 - 212 °F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	77.2 °C	171 °F	Unannealed; ISO 75B-1, -2
Deflection Temperature at 1.8 MPa (264 psi)	47.8 °C	118 °F	Unannealed; ISO 75A-1, -2

Thermal Properties	Metric	English	Comments
	1.10 %	1.10 %	Test: 100x150x3.2 mm; Basell Test Method
	@Temperature 121 Â°C, Time 3600 sec	@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