

LyondellBasell Hifax[®],ç CA1110/2AC Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hifax[®],ç CA1110/2AC Black medium high melt flow, 1,200 MPa flexural modulus, paintable thermoplastic elastomeric olefin (TEO) resin has a very good balance of processability, impact resistance and paintability. It was designed primarily for use in painted automotive bumper fascia applications. Uses: Automotive exterior parts
Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hifax-CA11102AC-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	0.990 g/cc	0.0358 lb/in ³	ISO 1183
Melt Flow	9.0 g/10 min	9.0 g/10 min	Condition L; ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	17.0 MPa	2470 psi	ISO 527-1, -2
Elongation at Yield	100 %	100 %	ISO 527-1, -2
Flexural Modulus	1.20 GPa	174 ksi	ISO 178
Izod Impact, Notched (ISO)	8.90 kJ/m ²	4.24 ft-lb/in ²	ISO 180
	@Temperature -40.0 °C	@Temperature -40.0 °F	
Multi-axial Impact @ -30°C Total Energy	50.0 kJ/m ²	23.8 ft-lb/in ²	ISO 180
	@Temperature 23.0 °C	@Temperature 73.4 °F	
Multi-axial Impact @ -30°C Total Energy	23.0 J	17.0 ft-lb	Energy to Peak Force (-22°F, Ductile Failure); ISO 6603-2

Thermal Properties	Metric	English	Comments
CTE, linear	75.0 µm/m-°C	41.7 µin/in-°F	ASTM D696
	@Temperature -30.0 - 100 °C	@Temperature -22.0 - 212 °F	
Shrinkage	0.90 %	0.90 %	Tool, Injection Molded 100x150x3.2 mm Plaque; Basell Test Method
	1.00 %	1.00 %	
	@Temperature 121 °C, Time 3600 sec	@Temperature 250 °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