

LyondellBasell Hostacomâ„ç XFBR712 Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hostacomâ„ç XFBR712 medium melt flow, 1,800 MPa flexural modulus, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of stiffness, impact resistance and dimensional stability. It was designed primarily for painted automotive interior components. Uses: Automotive interior parts
Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-XFBR712-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.06 g/cc	0.0383 lb/in ³	ISO 1183
Melt Flow	6.0 g/10 min	6.0 g/10 min	Condition L; ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	49	49	ISO 2039-2
Hardness, Shore D	58	58	ISO 868
Tensile Strength, Yield	17.0 MPa	2470 psi	ISO 527-1, -2
Elongation at Yield	4.0 %	4.0 %	ISO 527-1, -2
Flexural Modulus	1.80 GPa	261 ksi	ISO 178
Izod Impact, Notched (ISO)	3.00 kJ/m ²	1.43 ft-lb/in ²	ISO 180
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	
	16.0 kJ/m ²	7.61 ft-lb/in ²	ISO 180
	@Temperature 10.0 Â°C	@Temperature 50.0 Â°F	
	34.0 kJ/m ²	16.2 ft-lb/in ²	ISO 180
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
CTE, linear	48.0 Âµm/m-Â°C	26.7 Âµin/in-Â°F	ASTM D696
	@Temperature -30.0 - 100 Â°C	@Temperature -22.0 - 212 Â°F	
Deflection Temperature at 0.46 MPa	100 Â°C	212 Â°F	

(55 psi) Thermal Properties	Metric	English	Unannealed; ISO 75B-1, -2 Comments
Deflection Temperature at 1.8 MPa (264 psi)	55.0 Â°C	131 Â°F	Unannealed; ISO 75A-1, -2
Shrinkage	0.70 %	0.70 %	Tool, 100x150x3.2 mm, injection molded plaque; Basell Test Method
	0.900 % @Temperature 121 Â°C, Time 3600 sec	0.900 % @Temperature 250 Â°F, Time 1.00 hour	Afterbake, 100x150x3.2 mm; Basell Method

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