

LyondellBasell Hostacomâ„ç CB189FC/1 Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hostacomâ„ç CB189FC/1 medium melt flow, 1,300 MPa flexural modulus, precolored, mineral-filled thermoplastic elastomeric olefin (TEO) resin has a very good balance of impact, stiffness, dimensional stability and processability. It was designed specifically for use in various automotive interior trim components. Uses: Automotive interior parts
Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-CB189FC1-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.00 g/cc	0.0361 lb/in ³	ISO 1183
Melt Flow	7.0 g/10 min	7.0 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, Shore D	65	65	ISO 868
Tensile Strength, Yield	20.0 MPa	2900 psi	ISO 527-1, -2
Elongation at Yield	10 %	10 %	ISO 527-1, -2
Flexural Modulus	1.30 GPa	189 ksi	ISO 178
Izod Impact, Notched (ISO)	2.80 kJ/m ²	1.33 ft-lb/in ²	ISO 180
	@Temperature -40.0 Â°C	@Temperature -40.0 Â°F	
	5.80 kJ/m ²	2.76 ft-lb/in ²	ISO 180
	@Temperature 10.0 Â°C	@Temperature 50.0 Â°F	
	18.0 kJ/m ²	8.57 ft-lb/in ²	ISO 180
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	
Gardner Impact	16.0 J	11.8 ft-lb	ASTM D3029
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
	25.0 J	18.4 ft-lb	ASTM D3029
	@Temperature 23.0 Â°C	@Temperature 73.4 Â°F	

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	87.2 Â°C	189 Â°F	Unannealed; ISO 75B-1, -2
Deflection Temperature at 1.8 MPa (264 psi)	52.8 Â°C	127 Â°F	Unannealed; ISO 75A-1, -2
Shrinkage	1.0 %	1.0 %	Tool, 100x150x3.2 mm; Basell Test Method
	1.40 % @Temperature 121 Â°C, Time 3600 sec	1.40 % @Temperature 250 Â°F, Time 1.00 hour	Afterbake, 100x150x3.2 mm; Basell Method

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