

LyondellBasell Hostacomâ„¢ CB280F Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hostacomâ„¢ CB280F high melt flow, 1,900 MPa flexural modulus, UV-stabilized, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of processability, rigidity, and impact and scratch and mar resistance. It was designed primarily for molded-in color automotive instrument panels that require high durability. Uses: Automotive interior parts Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-CB280F-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ISO 1183
Melt Flow	25 g/10 min @Load 2.16 kg, Temperature 230 Â°C	25 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	65	65	ISO 2039-2
Tensile Strength, Yield	21.0 MPa	3050 psi	ISO 527-1, -2
Elongation at Yield	4.0 %	4.0 %	ISO 527-1, -2
Flexural Modulus	1.90 GPa	276 ksi	ISO 178
Izod Impact, Notched (ISO)	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ISO 180
Dart Drop, Total Energy	21.0 J @Temperature -10.0 Â°C	15.5 ft-lb @Temperature 14.0 Â°F	Instrumented, Peak Energy, 405.0 m/min; ASTM D3763

Thermal Properties	Metric	English	Comments
CTE, linear	66.0 Âµm/m-Â°C @Temperature -30.0 - 100 Â°C	36.7 Âµin/in-Â°F @Temperature -22.0 - 212 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	111 Â°C	232 Â°F	Unannealed; ISO 75B-1, -2
Deflection Temperature at 1.8 MPa (264 psi)	58.9 Â°C	138 Â°F	Unannealed; ISO 75A-1, -2

Shrinkage Thermal Properties	0.80 % Metric	0.80 % English	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

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