

LyondellBasell Hostacomâ„ç CB275FC Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hostacomâ„ç CB275FC high melt flow, 1,900 MPa flexural modulus, precolored, 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 for automotive interior components that must have a very good impact/stiffness balance such as instrument panels or other componentry that require compliance to FMVSS201 or FMVSS208. Uses: Automotive interior parts Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-CB275FC-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	0.980 g/cc	0.0354 lb/in ³	ISO 1183
Melt Flow	17 g/10 min @Load 2.16 kg, Temperature 230 Â°C	17 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	72	72	ISO 2039-2
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527-1, -2
Elongation at Break	200 %	200 %	ISO 527-1, -2
Flexural Modulus	1.90 GPa	276 ksi	ISO 178
Izod Impact, Notched (ISO)	3.90 kJ/m ² @Temperature -30.0 Â°C	1.86 ft-lb/in ² @Temperature -22.0 Â°F	ISO 180
	41.0 kJ/m ² @Temperature 23.0 Â°C	19.5 ft-lb/in ² @Temperature 73.4 Â°F	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	112 Â°C	234 Â°F	Unannealed; ISO 75B-1, -2
Deflection Temperature at 1.8 MPa (264 psi)	57.2 Â°C	135 Â°F	Unannealed; ISO 75A-1, -2
Shrinkage	1.0 %	1.0 %	Tool, 100x150x3.2 mm; Basell Test Method

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