

LyondellBasell Hostacomâ„¸ CB271FC Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hostacomâ„¸ CB271FC high melt flow, 2,400 MPa flexural modulus, precolored, UV-stabilized, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent combination of stiffness, impact resistance and processability. It was designed primarily for automotive interior applications that demand balanced performance characteristics, such as those 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-CB271FC-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.04 g/cc	0.0376 lb/in ³	ISO 1183
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 230 Â°C	20 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	78	78	ISO 2039-2
Hardness, Shore D	71	71	ISO 868
Tensile Strength at Break	16.0 MPa	2320 psi	ISO 527-1, -2
Tensile Strength, Yield	25.0 MPa	3630 psi	ISO 527-1, -2
Elongation at Break	60 %	60 %	ISO 527-1, -2
Elongation at Yield	11 %	11 %	ISO 527-1, -2
Flexural Modulus	2.40 GPa	348 ksi	ISO 178
Izod Impact, Notched (ISO)	3.30 kJ/m ² @Temperature -30.0 Â°C	1.57 ft-lb/in ² @Temperature -22.0 Â°F	ISO 180
	24.0 kJ/m ² @Temperature 23.0 Â°C	11.4 ft-lb/in ² @Temperature 73.4 Â°F	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	45.0 Âµm/m-Â°C @Temperature -30.0 - 100 Â°C	25.0 Âµin/in-Â°F @Temperature -22.0 - 212 Â°F	ASTM D696

Thermal Properties Deflection Temperature at 0.46 MPa (66 psi)	Metric C	English	Comments ISO 75B-1, -2
Deflection Temperature at 1.8 MPa (264 psi)	77.2 Â°C	171 Â°F	Unannealed; ISO 75A-1, -2
Shrinkage	0.60 %	0.60 %	Tool, 100x150x3.2 mm; Basell Test 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