

LyondellBasell Hostacomâ„ç SP98F/94 Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hostacomâ„ç SP98F/94 Black medium melt flow, 2,300 MPa flexural modulus, mineral-filled thermoplastic elastomeric olefin (TEO) resin has a very good combination of stiffness, impact resistance and surface appearance. It was designed primarily for large part injection molded automotive interior and exterior applications. Uses: Automotive interior parts, automotive exterior parts Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-SP98F94-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.12 g/cc	0.0405 lb/in ³	ISO 1183
Melt Flow	7.0 g/10 min @Load 2.16 kg, Temperature 230 Â°C	7.0 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	71	71	ISO 2039-2
Tensile Strength at Break	25.0 MPa	3630 psi	ISO 527-1, -2
Tensile Strength, Yield	21.0 MPa	3050 psi	ISO 527-1, -2
Flexural Modulus	2.30 GPa	334 ksi	ISO 178
Izod Impact, Notched (ISO)	1.10 kJ/m ² @Temperature -40.0 Â°C	0.523 ft-lb/in ² @Temperature -40.0 Â°F	ISO 180
	2.40 kJ/m ² @Temperature 10.0 Â°C	1.14 ft-lb/in ² @Temperature 50.0 Â°F	ISO 180
	5.00 kJ/m ² @Temperature 23.0 Â°C	2.38 ft-lb/in ² @Temperature 73.4 Â°F	ISO 180

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	110 Â°C	230 Â°F	Unannealed; ISO 75B-1, -2
Shrinkage	0.80 %	0.80 %	Tool, 100x150x3.2 mm, injection molded plaque; Basell Test Method

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