

LyondellBasell Hostacomâ„ç RE-44AC Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hostacomâ„ç RE-44AC polypropylene TPO resin is a compounded product containing 25% minimum post-industrial or post-consumer recycled polypropylene and reactor grade thermoplastic olefin (TPO) resin. It has an excellent balance of properties and is designed primarily for injection molding applications. This resin is available in black only. It is not intended for food contact applications.

Uses: Appliances, automotive applications, lawn and garden equipmentInformation provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-RE-44AC-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ISO 1183
Melt Flow	10 g/10 min @Load 2.16 kg, Temperature 230 Â°C	10 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	60	60	ASTM D2240
Tensile Strength, Yield	17.0 MPa	2470 psi	ISO 527-1, -2
Tensile Modulus	0.703 GPa	102 ksi	ISO 527-1, -2
Flexural Modulus	0.660 GPa	95.7 ksi	ISO 178
Izod Impact, Notched (ISO)	94.6 kJ/m ² @Temperature 23.0 Â°C	45.0 ft-lb/in ² @Temperature 73.4 Â°F	ISO 180
Dart Drop, Total Energy	24.0 J @Temperature -30.0 Â°C	17.7 ft-lb @Temperature -22.0 Â°F	Instrumented Peak Energy; ASTM D3763

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