

LyondellBasell Hostacomâ„ç TSOP-UM5 Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hostacomâ„ç TSOP-UM5 high melt flow, 2,000 MPa flexural modulus, natural, mineral-filled thermoplastic elastomeric olefin (TEO) resin has an excellent balance of properties and processability. It was designed for a wide variety of automotive interior trim components. Features include: high rigidity, excellent moldfilling capability, excellent impact/stiffness balance, and excellent part aesthetics. Typical applications include: automotive interior trim components, door panels, instrument panels, and pillar moldings. Uses: Automotive interior trim, automotive instrument panel

Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hostacom-TSOP-UM5-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.02 g/cc	0.0368 lb/in ³	ISO 1183
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 230 Â°C	30 g/10 min @Load 4.76 lb, Temperature 446 Â°F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	70	70	ISO 2039-2
Tensile Strength, Yield	23.0 MPa	3340 psi	ISO 527-1, -2
Elongation at Break	100 %	100 %	ISO 527-1, -2
Flexural Modulus	2.00 GPa	290 ksi	ISO 178
Izod Impact, Notched (ISO)	3.50 kJ/m ² @Temperature -30.0 Â°C	1.67 ft-lb/in ² @Temperature -22.0 Â°F	ISO 180
	NB @Temperature 23.0 Â°C	NB @Temperature 73.4 Â°F	ISO 180

Thermal Properties	Metric	English	Comments
CTE, linear	70.0 Âµm/m-Â°C @Temperature -30.0 - 100 Â°C	38.9 Âµin/in-Â°F @Temperature -22.0 - 212 Â°F	ASTM D696
Deflection Temperature at 0.46 MPa (66 psi)	120 Â°C	248 Â°F	Unannealed; ISO 75B-1, -2
Shrinkage	0.80 %	0.80 %	Tool, 100x150x3.2 mm; Basell Test Method

Thermal Properties

Metric

English

Comments

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