

LyondellBasell Hifax[®],^ç RTA3263EUV/1 Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hifax[®],^ç RTA3263EUV/1 fractional melt flow, 1,700 MPa flexural modulus, UV-stabilized, mineral-filled, extrusion grade thermoplastic elastomeric olefin (TEO) resin has an excellent balance of stiffness, impact strength, weather resistance and processability. It was designed primarily for extruded automotive exterior profile applications. Uses: Automotive exterior parts, profiles Information provided by Basell.

Order this product through the following link:

http://www.lookpolymers.com/polymer_LyondellBasell-Hifax-RTA3263EUV1-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ISO 1183
Melt Flow	0.50 g/10 min @Load 2.16 kg, Temperature 230 °C	0.50 g/10 min @Load 4.76 lb, Temperature 446 °F	Condition L; ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ISO 868
Tensile Strength, Yield	23.0 MPa	3340 psi	ISO 527-1, -2
Elongation at Break	500 %	500 %	ASTM D638
Flexural Modulus	1.40 GPa	203 ksi	Tangent, 0.05 in/min; ASTM D790
	1.70 GPa	247 ksi	Tangent, 0.5 in/min; ASTM D790
Gardner Impact	24.0 J @Temperature -30.0 °C	17.7 ft-lb @Temperature -22.0 °F	ASTM D3029
Dart Drop, Total Energy	24.0 J @Temperature -30.0 °C	17.7 ft-lb @Temperature -22.0 °F	Instrumented Energy at Maximum Load, Ductile Failure; ASTM D3763
Tear Strength	160 kN/m	910 pli	ASTM D624

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	63.9 °C	147 °F	Unannealed; ISO 75B-1, -2
Deflection Temperature at 1.8 MPa (264 psi)	43.9 °C	111 °F	Unannealed; ISO 75A-1, -2
Shrinkage			Tool, 100x150x3.2 mm; Basell Test

Thermal Properties	0.90 % Metric	0.90 % English	Method Comments
	1.10 % @Temperature 121 Â°C, Time 3600 sec	1.10 % @Temperature 250 Â°F, Time 1.00 hour	Afterbake, 100x150x3.2 mm; Basell Method

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