

LyondellBasell Hifax[®],^ç RTA3263EC/1 Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hifax[®],^ç RTA3263EC/1 fractional melt flow, 1,700 MPa flexural modulus, mineral-filled, extrusion grade thermoplastic elastomeric olefin (TEO) resin has an excellent balance of stiffness, impact strength 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-RTA3263EC1-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.03 g/cc	0.0372 lb/in ³	ASTM D792
Melt Flow	0.50 g/10 min	0.50 g/10 min	Condition L; ASTM D1238
	@Load 2.16 kg, Temperature 230 Â°C	@Load 4.76 lb, Temperature 446 Â°F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	68	68	ASTM D2240
Tensile Strength, Yield	23.0 MPa	3340 psi	ASTM D 638
Elongation at Break	450 %	450 %	ASTM D 638
Flexural Modulus	1.50 GPa	218 ksi	Tangent, 0.05 in/min; ASTM D790
	1.70 GPa	247 ksi	Tangent, 0.5 in/min; ASTM D790
Izod Impact, Notched	7.400 J/cm	13.86 ft-lb/in	73Â°F; ASTM D256
Gardner Impact	32.0 J	23.6 ft-lb	ASTM D3029
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
Tear Strength	140 kN/m	800 pli	ASTM D624

Thermal Properties	Metric	English	Comments
CTE, linear	47.0 Âµm/m-Â°C	26.1 Âµin/in-Â°F	ASTM D696
	@Temperature -30.0 - 100 Â°C	@Temperature -22.0 - 212 Â°F	
Deflection Temperature at 0.46 MPa (66 psi)	100 Â°C	212 Â°F	Unannealed; ASTM D648
Deflection Temperature at 1.8 MPa (264 psi)	57.8 Â°C	136 Â°F	Unannealed; ASTM D648

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