

LyondellBasell Hifaxâ„¢ RTA3263EUV Thermoplastic Polyolefin Elastomer

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

Material Notes:

Description: Hifaxâ„¢ RTA3263EUV fractional melt flow, 1,500 MPa flexural modulus, UV-stabilized, mineral-filled, extrusion grade thermoplastic elastomeric olefin (TEO) resin has an excellent combination of rigidity, impact resistance, melt strength, processability and weatherability. It was designed specifically for thermoformed applications. Uses: SheetInformation provided by Basell.

Order this product through the following link:
http://www.lookpolymers.com/polymer_LyondellBasell-Hifax-RTA3263EUV-Thermoplastic-Polyolefin-Elastomer.php

Physical Properties	Metric	English	Comments
Density	1.10 g/cc	0.0397 lb/inÂ³	ASTM D792
Melt Flow	0.80 g/10 min	0.80 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	65	65	ASTM D2240
Tensile Strength at Break	21.0 MPa	3050 psi	ASTM D 638
Tensile Strength, Yield	19.0 MPa	2760 psi	ASTM D 638
Elongation at Break	450 %	450 %	ASTM D 638
Elongation at Yield	400 %	400 %	ASTM D 638
Flexural Modulus	1.20 GPa	174 ksi	Tangent, 0.05 in/min; ASTM D790
	1.50 GPa	218 ksi	Tangent, 0.5 in/min; ASTM D790
Izod Impact, Notched	7.501 J/cm	14.05 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	
Dart Drop, Total Energy	20.0 J	14.8 ft-lb	Instrumented Energy at Maximum Load, Ductile Failure; ASTM D3763
	@Temperature -30.0 Â°C	@Temperature -22.0 Â°F	
Tear Strength	110 kN/m	630 pli	ASTM D624

Thermal Properties	Metric	English	Comments
	41.0 Âµm/m-Â°C	22.8 Âµin/in-Â°F	

CTE linear Thermal Properties	Metric @ Temperature -30.0 - 100 Â°C	English @ Temperature -22.0 - 212 Â°F	ASTM D696 Comments
Deflection Temperature at 0.46 MPa (66 psi)	73.9 Â°C	165 Â°F	Unannealed; ASTM D648
Brittleness Temperature	-30.0 Â°C	-22.0 Â°F	ASTM D746

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