

Zotefoams Evazote® VA65 Ethylene Vinyl Acetate Copolymer Foam

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Evazote® is a closed cell, cross-linked EVA copolymer foam manufactured using nitrogen expansion technology to produce foams with exceptional cell size uniformity, low odor / high purity and outstanding physical attributes. Compliant with EC food contact and US FDA regulations. Information provided by Zotefoams

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zotefoams-Evazote-VA65-Ethylene-Vinyl-Acetate-Copolymer-Foam.php

Physical Properties	Metric	English	Comments
Density	0.0650 g/cc	0.00235 lb/in ³	Nominal skin/skin; BS ISO 7214 1998
	0.0570 - 0.0740 g/cc	0.00206 - 0.00267 lb/in ³	sheet density
Cell Length	0.670 mm	0.0264 in	Typical Diameter
	0.500 - 0.900 mm	0.0197 - 0.0354 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	60	60	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.825 MPa	120 psi	ISO 7214 1998
Elongation at Break	185 %	185 %	
Compressive Yield Strength	0.0680 MPa	9.86 psi	BS ISO 7214 1998
	@Strain 10.0 %	@Strain 10.0 %	
	0.0890 MPa	12.9 psi	BS ISO 7214 1998
	@Strain 25.0 %	@Strain 25.0 %	
0.123 MPa	@Strain 40.0 %	17.8 psi	BS ISO 7214 1998
0.162 MPa	@Strain 50.0 %	23.5 psi	BS ISO 7214 1998
Tear Strength	1.59 kN/m	9.07 pli	BS EN ISO 8067 1995
Compression Set	2.0 %	2.0 %	24 hr recovery; BS ISO 7214 1998
	@Time 79200 sec, Strain 25.0 %	@Time 22.0 hour, Strain 25.0 %	
	5.5 %	5.5 %	

Mechanical Properties	Metric	English	Comments
	@Time 79200 sec, Strain 25.0 %	@Time 22.0 hour, Strain 25.0 %	0.5 hr recovery; BS ISO 7214 1998
	6.0 %	6.0 %	
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	24 hr recovery; BS ISO 7214 1998
	15 %	15 %	
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	0.5 hr recovery; BS ISO 7214 1998

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	80.0 °C	176 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	
Flammability Test	0.80	0.80	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 13.0 mm	@Thickness 0.512 in	
	1.0	1.0	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 5.00 mm	@Thickness 0.197 in	

Descriptive Properties	Value	Comments
Flammability	Automotive: FMVSS.302 burn rate	Pass: 3mm and thicker

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