

Zotefoams Evazote® EV70CN Conductive 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. Information provided by Zotefoams

Order this product through the following link:

http://www.lookpolymers.com/polymer_Zotefoams-Evazote-EV70CN-Conductive-Ethylene-Vinyl-Acetate-Copolymer-Foam.php

Physical Properties	Metric	English	Comments
Density	0.0700 g/cc	0.00253 lb/in ³	Nominal skin/skin; BS ISO 7214 1998
	0.0610 - 0.0810 g/cc	0.00220 - 0.00293 lb/in ³	sheet density
Cell Length	0.600 mm	0.0236 in	Typical Diameter
	0.400 - 0.900 mm	0.0157 - 0.0354 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	64	64	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.850 MPa	123 psi	ISO 7214 1998
Elongation at Break	225 %	225 %	
Compressive Yield Strength	0.0830 MPa @Strain 10.0 %	12.0 psi @Strain 10.0 %	BS ISO 7214 1998
	0.107 MPa @Strain 25.0 %	15.5 psi @Strain 25.0 %	BS ISO 7214 1998
	0.143 MPa @Strain 40.0 %	20.7 psi @Strain 40.0 %	BS ISO 7214 1998
	0.184 MPa @Strain 50.0 %	26.7 psi @Strain 50.0 %	BS ISO 7214 1998
Tear Strength	2.75 kN/m	15.7 pli	BS EN ISO 8067 1995
Compression Set	2.5 % @Time 79200 sec, Strain 25.0 %	2.5 % @Time 22.0 hour, Strain 25.0 %	24 hr recovery; BS ISO 7214 1998
	6.0 %	6.0 %	

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
	8.5 %	8.5 %	
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	24 hr recovery; BS ISO 7214 1998
	17 %	17 %	
	@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	0.50 @Thickness 13.0 mm	0.50 @Thickness 0.512 in	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	0.70 @Thickness 5.00 mm	0.70 @Thickness 0.197 in	Horizontal Burn Rate, mm/sec; ISO 7214 1998

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm	1000 ohm-cm	ASTM D991-89

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China