

Zotefoams Evazote® EV30 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-EV30-Ethylene-Vinyl-Acetate-Copolymer-Foam.php

Physical Properties	Metric	English	Comments
Density	0.0300 g/cc	0.00108 lb/in ³	Nominal skin/skin; BS ISO 7214 1998
	0.0280 - 0.0380 g/cc	0.00101 - 0.00137 lb/in ³	sheet density
Cell Length	0.450 mm	0.0177 in	Typical Diameter
	0.300 - 0.700 mm	0.0118 - 0.0276 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	38	38	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.615 MPa	89.2 psi	ISO 7214 1998
Elongation at Break	190 %	190 %	
Compressive Yield Strength	0.0200 MPa @Strain 10.0 %	2.90 psi @Strain 10.0 %	BS ISO 7214 1998
	0.0370 MPa @Strain 25.0 %	5.37 psi @Strain 25.0 %	BS ISO 7214 1998
	0.0670 MPa @Strain 40.0 %	9.72 psi @Strain 40.0 %	BS ISO 7214 1998
	0.0960 MPa @Strain 50.0 %	13.9 psi @Strain 50.0 %	BS ISO 7214 1998
Tear Strength	0.630 kN/m	3.59 pli	BS EN ISO 8067 1995
Compression Set	5.0 % @Time 79200 sec, Strain 25.0 %	5.0 % @Time 22.0 hour, Strain 25.0 %	24 hr recovery; BS ISO 7214 1998
	14 % @Time 79200 sec,	14 % @Time 22.0 hour,	0.5 hr recovery; BS ISO 7214 1998

Mechanical Properties	Strain 25.0 % Metric	Strain 25.0 % English	Comments
	19 %	19 %	
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	24 hr recovery; BS ISO 7214 1998
	29 %	29 %	
	@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
Thermal Conductivity	0.0402 W/m-K	0.279 BTU-in/hr-ft ² -°F	mean temp of 10°C; ISO 8302 1991
Maximum Service Temperature, Air	65.0 °C	149 °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	
	1.3	1.3	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: 6mm 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