

## Zotefoams Evazote® VA80 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-VA80-Ethylene-Vinyl-Acetate-Copolymer-Foam.php](http://www.lookpolymers.com/polymer_Zotefoams-Evazote-VA80-Ethylene-Vinyl-Acetate-Copolymer-Foam.php)

Physical Properties	Metric	English	Comments
Density	0.0630 - 0.0850 g/cc	0.00228 - 0.00307 lb/in <sup>3</sup>	sheet density
	0.0800 g/cc	0.00289 lb/in <sup>3</sup>	Nominal skin/skin; BS ISO 7214 1998
Cell Length	0.730 mm	0.0287 in	Typical Diameter
	0.500 - 1.00 mm	0.0197 - 0.0394 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	62	62	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.895 MPa	130 psi	ISO 7214 1998
Elongation at Break	215 %	215 %	
Compressive Yield Strength	0.0840 MPa	12.2 psi	BS ISO 7214 1998
	@Strain 10.0 %	@Strain 10.0 %	
	0.105 MPa	15.2 psi	BS ISO 7214 1998
	@Strain 25.0 %	@Strain 25.0 %	
0.142 MPa	20.6 psi	BS ISO 7214 1998	
@Strain 40.0 %	@Strain 40.0 %		
0.184 MPa	26.7 psi	BS ISO 7214 1998	
@Strain 50.0 %	@Strain 50.0 %		
Tear Strength	1.97 kN/m	11.2 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 %	
5.0 %	5.0 %	0.5 hr recovery; BS ISO 7214 1998	
@Time 79200 sec,	@Time 22.0 hour,		

Mechanical Properties	Strain 25.0 % Metric	Strain 25.0 % English	Comments
	5.0 %  @Time 79200 sec, Strain 50.0 %	5.0 %  @Time 22.0 hour, Strain 50.0 %	24 hr recovery; BS ISO 7214 1998
	13 %  @Time 79200 sec, Strain 50.0 %	13 %  @Time 22.0 hour, Strain 50.0 %	0.5 hr recovery; BS ISO 7214 1998

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 °C	185 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	
Flammability Test	0.33  @Thickness 5.00 mm	0.33  @Thickness 0.197 in	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	0.36  @Thickness 13.0 mm	0.36  @Thickness 0.512 in	Horizontal Burn Rate, mm/sec; ISO 7214 1998

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

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

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