

## Zotefoams Evazote® VA25 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-VA25-Ethylene-Vinyl-Acetate-Copolymer-Foam.php](http://www.lookpolymers.com/polymer_Zotefoams-Evazote-VA25-Ethylene-Vinyl-Acetate-Copolymer-Foam.php)

Physical Properties	Metric	English	Comments
Density	0.0200 - 0.0280 g/cc	0.000723 - 0.00101 lb/in <sup>3</sup>	sheet density
	0.0250 g/cc	0.000903 lb/in <sup>3</sup>	Nominal skin/skin; BS ISO 7214 1998
Cell Length	0.200 - 0.600 mm	0.00787 - 0.0236 in	
	0.400 mm	0.0157 in	Typical Diameter

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	43	43	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.485 MPa	70.3 psi	ISO 7214 1998
Elongation at Break	150 %	150 %	
Compressive Yield Strength	0.0220 MPa	3.19 psi	BS ISO 7214 1998
	@Strain 10.0 %	@Strain 10.0 %	
	0.0410 MPa	5.95 psi	
	@Strain 25.0 %	@Strain 25.0 %	BS ISO 7214 1998
	0.0700 MPa	10.2 psi	BS ISO 7214 1998
	@Strain 40.0 %	@Strain 40.0 %	
	0.100 MPa	14.5 psi	BS ISO 7214 1998
	@Strain 50.0 %	@Strain 50.0 %	
Tear Strength	0.420 kN/m	2.40 pli	BS EN ISO 8067 1995
Compression Set	5.0 %	5.0 %	24 hr recovery; BS ISO 7214 1998
	@Time 79200 sec, Strain 25.0 %	@Time 22.0 hour, Strain 25.0 %	
	13 %	13 %	

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
	19.5 %	19.5 %	
	@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	0.0374 W/m-K	0.260 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 10°C; ISO 8302 1991
Maximum Service Temperature, Air	75.0 °C	167 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	
Flammability Test	1.9	1.9	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 13.0 mm	@Thickness 0.512 in	
	3.6	3.6	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: 4mm and thicker

## Contact Songhan Plastic Technology Co.,Ltd.

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