

Zotefoams Supazote® EM26 Lightweight Supersoft Ethylene Copolymer Foam

Category : Polymer , Thermoplastic , Ethylene Methyl Acrylate

Material Notes:

Supazote® is a closed cell, cross-linked 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-Supazote-EM26-Lightweight-Supersoft-Ethylene-Copolymer-Foam.php

Physical Properties	Metric	English	Comments
Density	0.0200 - 0.0270 g/cc	0.000723 - 0.000975 lb/in³	sheet density
	0.0260 g/cc	0.000939 lb/in³	Nominal skin/skin; BS ISO 7214 1998
Cell Length	0.200 - 0.400 mm	0.00787 - 0.0157 in	
	0.300 mm	0.0118 in	Typical Diameter

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	28	28	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.230 MPa	33.4 psi	ISO 7214 1998
Elongation at Break	405 %	405 %	
Compressive Yield Strength	0.0120 MPa	1.74 psi	BS ISO 7214 1998
	@Strain 10.0 %	@Strain 10.0 %	
	0.0270 MPa	3.92 psi	BS ISO 7214 1998
	@Strain 25.0 %	@Strain 25.0 %	
	0.0510 MPa	7.40 psi	BS ISO 7214 1998
	@Strain 40.0 %	@Strain 40.0 %	
	0.0760 MPa	11.0 psi	BS ISO 7214 1998
	@Strain 50.0 %	@Strain 50.0 %	
Tear Strength	0.840 kN/m	4.79 pli	BS EN ISO 8067 1995
Compression Set	10 %	10 %	24 hr recovery; BS ISO 7214 1998
	@Time 79200 sec, Strain 25.0 %	@Time 22.0 hour, Strain 25.0 %	
	17 %	17 %	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
	27.5 %	27.5 %	
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	24 hr recovery; BS ISO 7214 1998
	33.5 %	33.5 %	
	@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	0.0370 W/m-K	0.257 BTU-in/hr-ft ² -°F	mean temp of 10°C; ISO 8302 1991
Maximum Service Temperature, Air	50.0 °C	122 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	
Flammability Test	2.6	2.6	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 13.0 mm	@Thickness 0.512 in	
	5.0	5.0	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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