

Zotefoams Plastazote® LD33 Low Density Polyethylene Foam

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

Plastazote® is a closed cell, cross-linked polyethylene 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-Plastazote-LD33-Low-Density-Polyethylene-Foam.php

Physical Properties	Metric	English	Comments
Density	0.0270 - 0.0370 g/cc	0.000975 - 0.00134 lb/in ³	sheet density
	0.0330 g/cc	0.00119 lb/in ³	Nominal skin/skin; BS ISO 7214 1998
Cell Length	0.370 mm	0.0146 in	Typical Diameter
	0.250 - 0.550 mm	0.00984 - 0.0217 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	58	58	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.440 MPa	63.8 psi	ISO 7214 1998
Elongation at Break	155 %	155 %	
Flexural Modulus	0.000700 GPa	0.102 ksi	BS4370, part 4, method 14
Compressive Yield Strength	0.0510 MPa	7.40 psi	BS ISO 7214 1998
	@Strain 10.0 %	@Strain 10.0 %	
	0.0690 MPa	10.0 psi	BS ISO 7214 1998
	@Strain 25.0 %	@Strain 25.0 %	
	0.102 MPa	14.8 psi	BS ISO 7214 1998
	@Strain 40.0 %	@Strain 40.0 %	
	0.137 MPa	19.9 psi	BS ISO 7214 1998
	@Strain 50.0 %	@Strain 50.0 %	
Tear Strength	0.785 kN/m	4.48 pli	BS EN ISO 8067 1995
Compression Set	3.0 %	3.0 %	24 hr recovery; BS ISO 7214 1998
	@Time 79200 sec, Strain 25.0 %	@Time 22.0 hour, Strain 25.0 %	

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
	13.5 %	13.5 %	24 hr recovery; BS ISO 7214 1998
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	
	22.5 %	22.5 %	0.5 hr recovery; BS ISO 7214 1998
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	

Thermal Properties	Metric	English	Comments
Thermal Conductivity	0.0405 W/m-K	0.281 BTU-in/hr-ft ² -°F	mean temp of 10°C; ISO 8302 1991
Maximum Service Temperature, Air	100 °C	212 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	
Flammability Test	1.0	1.0	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 13.0 mm	@Thickness 0.512 in	
	1.6	1.6	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 5.00 mm	@Thickness 0.197 in	

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