

Zotefoams Plastazote® LD33LC Low Density Polyethylene Foam, Large Cell

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-LD33LC-Low-Density-Polyethylene-Foam-Large-Cell.php

Physical Properties	Metric	English	Comments
Density	0.0270 - 0.0350 g/cc	0.000975 - 0.00126 lb/in ³	sheet density
	0.0330 g/cc	0.00119 lb/in ³	Nominal skin/skin; BS ISO 7214 1998
Cell Length	0.900 - 1.60 mm	0.0354 - 0.0630 in	
	1.25 mm	0.0492 in	Typical Diameter

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	53	53	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.365 MPa	52.9 psi	ISO 7214 1998
Elongation at Break	120 %	120 %	
Compressive Yield Strength	0.0500 MPa @Strain 10.0 %	7.25 psi @Strain 10.0 %	BS ISO 7214 1998
	0.0660 MPa @Strain 25.0 %	9.57 psi @Strain 25.0 %	BS ISO 7214 1998
	0.0970 MPa @Strain 40.0 %	14.1 psi @Strain 40.0 %	BS ISO 7214 1998
	0.131 MPa @Strain 50.0 %	19.0 psi @Strain 50.0 %	BS ISO 7214 1998
Tear Strength	0.910 kN/m	5.19 pli	BS EN ISO 8067 1995
Compression Set	3.0 % @Time 79200 sec, Strain 25.0 %	3.0 % @Time 22.0 hour, Strain 25.0 %	24 hr recovery; BS ISO 7214 1998
	9.5 %	9.5 %	

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
	12.5 %	12.5 %	
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	24 hr recovery; BS ISO 7214 1998
	22 %	22 %	
	@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	0.0562 W/m-K	0.390 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