

Zotefoams Plastazote® LD50CN Conductive 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-LD50CN-Conductive-Low-Density-Polyethylene-Foam.php

Physical Properties	Metric	English	Comments
Density	0.0500 g/cc	0.00181 lb/in ³	Nominal skin/skin; BS ISO 7214 1998
	0.0430 - 0.0580 g/cc	0.00155 - 0.00210 lb/in ³	sheet density
Cell Length	0.600 - 1.10 mm	0.0236 - 0.0433 in	
	0.850 mm	0.0335 in	Typical Diameter

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	73	73	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.515 MPa	74.7 psi	ISO 7214 1998
Elongation at Break	65 %	65 %	
Compressive Yield Strength	0.120 MPa @Strain 10.0 %	17.4 psi @Strain 10.0 %	BS ISO 7214 1998
	0.139 MPa @Strain 25.0 %	20.2 psi @Strain 25.0 %	BS ISO 7214 1998
	0.172 MPa @Strain 40.0 %	24.9 psi @Strain 40.0 %	BS ISO 7214 1998
	0.214 MPa @Strain 50.0 %	31.0 psi @Strain 50.0 %	BS ISO 7214 1998
Tear Strength	0.800 kN/m	4.56 pli	BS EN ISO 8067 1995
Compression Set	3.5 % @Time 79200 sec, Strain 25.0 %	3.5 % @Time 22.0 hour, Strain 25.0 %	24 hr recovery; BS ISO 7214 1998
	7.5 %	7.5 %	

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
	10 %	10 %	
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	24 hr recovery; BS ISO 7214 1998
	16 %	16 %	
	@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	0.0420 W/m-K	0.291 BTU-in/hr-ft ² -°F	mean temp of 10°C; ISO 8302 1991
Maximum Service Temperature, Air	105 °C	221 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	
Flammability Test	0.70	0.70	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 13.0 mm	@Thickness 0.512 in	
	1.0	1.0	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 5.00 mm	@Thickness 0.197 in	

Electrical Properties	Metric	English	Comments
Volume Resistivity	1000 ohm-cm	1000 ohm-cm	ASTM D991-89

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