

Zotefoams Plastazote® LD24LC 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-LD24LC-Low-Density-Polyethylene-Foam-Large-Cell.php

Physical Properties	Metric	English	Comments
Density	0.0190 - 0.0250 g/cc	0.000686 - 0.000903 lb/in ³	sheet density
	0.0240 g/cc	0.000867 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	48	48	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.280 MPa	40.6 psi	ISO 7214 1998
Elongation at Break	110 %	110 %	
Compressive Yield Strength	0.0300 MPa	4.35 psi	BS ISO 7214 1998
	@Strain 10.0 %	@Strain 10.0 %	
	0.0490 MPa	7.11 psi	
	@Strain 25.0 %	@Strain 25.0 %	BS ISO 7214 1998
	0.0770 MPa	11.2 psi	
	@Strain 40.0 %	@Strain 40.0 %	
	0.109 MPa	15.8 psi	BS ISO 7214 1998
	@Strain 50.0 %	@Strain 50.0 %	
Tear Strength	0.535 kN/m	3.05 pli	BS EN ISO 8067 1995
Compression Set	4.5 %	4.5 %	24 hr recovery; BS ISO 7214 1998
	@Time 79200 sec, Strain 25.0 %	@Time 22.0 hour, Strain 25.0 %	
	11.5 %	11.5 %	

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
	16.5 %	16.5 %	
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	24 hr recovery; BS ISO 7214 1998
	25 %	25 %	
	@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	0.0506 W/m-K	0.351 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	1.5	1.5	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 13.0 mm	@Thickness 0.512 in	
	2.1	2.1	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 5.00 mm	@Thickness 0.197 in	
Shrinkage	<= 1.0 %	<= 1.0 %	
	@Temperature 70.0 °C, Time 180000 sec	@Temperature 158 °F, Time 50.0 hour	
	1.5 %	1.5 %	
	@Temperature 70.0 °C, Time 1.80e+6 sec	@Temperature 158 °F, Time 500 hour	
	1.8 %	1.8 %	
	@Temperature 80.0 °C, Time 3600 sec	@Temperature 176 °F, Time 1.00 hour	
	4.0 %	4.0 %	
	@Temperature 80.0 °C, Time 180000 sec	@Temperature 176 °F, Time 50.0 hour	
	5.2 %	5.2 %	
	@Temperature 80.0 °C, Time 1.80e+6 sec	@Temperature 176 °F, Time 500 hour	

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