

Zotefoams Plastazote® HD60 High Density Polyethylene Foam

Category : Polymer , Thermoplastic , Polyethylene (PE)

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-HD60-High-Density-Polyethylene-Foam.php

Physical Properties	Metric	English	Comments
Density	0.0430 - 0.0630 g/cc	0.00155 - 0.00228 lb/in³	sheet density
	0.0600 g/cc	0.00217 lb/in³	Nominal skin/skin; BS ISO 7214 1998
Cell Length	0.600 mm	0.0236 in	Typical Diameter
	0.400 - 0.850 mm	0.0157 - 0.0335 in	

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	78	78	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	1.72 MPa	249 psi	ISO 7214 1998
Elongation at Break	110 %	110 %	
Flexural Modulus	0.0110 GPa	1.60 ksi	BS4370, part 4, method 14
Compressive Yield Strength	0.296 MPa @Strain 10.0 %	42.9 psi @Strain 10.0 %	BS ISO 7214 1998
	0.326 MPa @Strain 25.0 %	47.3 psi @Strain 25.0 %	BS ISO 7214 1998
	0.345 MPa @Strain 40.0 %	50.0 psi @Strain 40.0 %	BS ISO 7214 1998
	0.398 MPa @Strain 50.0 %	57.7 psi @Strain 50.0 %	BS ISO 7214 1998
Tear Strength	3.525 kN/m	20.11 pli	BS EN ISO 8067 1995
Compression Set	7.0 % @Time 79200 sec, Strain 25.0 %	7.0 % @Time 22.0 hour, Strain 25.0 %	24 hr recovery; BS ISO 7214 1998

Mechanical Properties	Metric	English	Comments
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	24 hr recovery; BS ISO 7214 1998
	12.5 %	12.5 %	
	@Time 79200 sec, Strain 25.0 %	@Time 22.0 hour, Strain 25.0 %	0.5 hr recovery; BS ISO 7214 1998
	21 %	21 %	
	@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	0.0572 W/m-K	0.397 BTU-in/hr-ft ² -°F	mean temp of 10°C; ISO 8302 1991
Maximum Service Temperature, Air	125 °C	257 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	
Flammability Test	0.60	0.60	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 13.0 mm	@Thickness 0.512 in	
	0.80	0.80	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