

## Zotefoams Plastazote® MP15FR Metallocene Polyethylene Foam, Flame Retardant

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 regulations. Information provided by Zotefoams

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Zotefoams-Plastazote-MP15FR-Metallocene-Polyethylene-Foam-Flame-Retardant.php](http://www.lookpolymers.com/polymer_Zotefoams-Plastazote-MP15FR-Metallocene-Polyethylene-Foam-Flame-Retardant.php)

Physical Properties	Metric	English	Comments
Density	0.0150 g/cc	0.000542 lb/in <sup>3</sup>	Nominal skin/skin; BS ISO 7214 1998
	0.0140 - 0.0180 g/cc	0.000506 - 0.000650 lb/in <sup>3</sup>	sheet density
Cell Length	0.200 - 0.600 mm	0.00787 - 0.0236 in	
	0.900 mm	0.0354 in	Typical Diameter

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	26	26	10 mm cell/cell thickness; ISO 868 1985
Tensile Strength	0.353 MPa	51.2 psi	ISO 7214 1998
Elongation at Break	146 %	146 %	
Compressive Yield Strength	0.0180 MPa	2.61 psi	BS ISO 7214 1998
	@Strain 10.0 %	@Strain 10.0 %	
	0.0350 MPa	5.08 psi	BS ISO 7214 1998
	@Strain 25.0 %	@Strain 25.0 %	
	0.0620 MPa	8.99 psi	BS ISO 7214 1998
	@Strain 40.0 %	@Strain 40.0 %	
	0.0890 MPa	12.9 psi	BS ISO 7214 1998
	@Strain 50.0 %	@Strain 50.0 %	
Tear Strength	0.545 kN/m	3.11 pli	BS EN ISO 8067 1995
Compression Set	5.0 %	5.0 %	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
	26.5 %	26.5 %	24 hr recovery; BS ISO 7214 1998
	@Time 79200 sec, Strain 50.0 %	@Time 22.0 hour, Strain 50.0 %	
	38 %	38 %	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	0.0390 W/m-K	0.271 BTU-in/hr-ft <sup>2</sup> -°F	mean temp of 10°C; ISO 8302 1991
Maximum Service Temperature, Air	95.0 °C	203 °F	
Minimum Service Temperature, Air	-70.0 °C	-94.0 °F	
Flammability Test	2.6	2.6	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 13.0 mm	@Thickness 0.512 in	
	4.0	4.0	Horizontal Burn Rate, mm/sec; ISO 7214 1998
	@Thickness 5.00 mm	@Thickness 0.197 in	

Descriptive Properties	Value	Comments
Flammability	Automotive: FMVSS.302 burn rate	Pass: > 3 mm thick
	Aviation: CAA8/2-2.2b	Complies
	Construction: DIN4102 B1	Pass: 6 to 20 mm thick

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China