

## Eurofoam Polycell PE 30 Polyethylene Foam

Category : Polymer , Thermoplastic , Polyethylene (PE)

### Material Notes:

Closed-cell polyethylene foam. Extruded reticulated pieces. Excellent physical properties both for active and static uses. Adjustable softness, elasticity, thermal deformation, shock absorbing. Used as thermal insulation. Features minimal water absorption, low water-vapour permeability, resistance to atmospheric agents, non-polluting, chemically inert. Information provided by Eurofoam s.r.l.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Eurofoam-Polycell-PE-30-Polyethylene-Foam.php](http://www.lookpolymers.com/polymer_Eurofoam-Polycell-PE-30-Polyethylene-Foam.php)

Physical Properties	Metric	English	Comments
Density	0.0200 - 0.0400 g/cc	0.000723 - 0.00145 lb/in <sup>3</sup>	ISO 845-88
Water Absorption	<= 5.0 %	<= 5.0 %	ASTM D 1056

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	45 - 55	45 - 55	ASTM D 2240
Tensile Strength	0.200 MPa	29.0 psi	ASTM D 412
Elongation at Break	>= 200 %	>= 200 %	ASTM D 412
Tear Strength	0.120 kN/m	0.685 pli	ASTM D 624
Compression Set	15 % @Strain 25.0 %	15 % @Strain 25.0 %	ASTM D 395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	70.0 °C	158 °F	ASTM D 3575
Minimum Service Temperature, Air	-30.0 °C	-22.0 °F	ASTM D 3575
Shrinkage	<= 5.0 % @Temperature 70.0 °C, Time 605000 sec	<= 5.0 % @Temperature 158 °F, Time 168 hour	Linear; ASTM D 1204

Descriptive Properties	Value	Comments
Cellular Structure	Closed	
Color	Grey, White	
Declaration of Heavy Metal Absence	Conform	RoHS2002/95/EC

## **Contact Songhan Plastic Technology Co.,Ltd.**

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