

Eurofoam Porocell POR 304 CM-HD EPDM Foam

Category : Polymer , Thermoset , Rubber or Thermoset Elastomer (TSE)

Material Notes:

Ethylene Propylene Diene Monomer Foam. Used for thermal insulation and soundproofing, antivibration and waterproofing; different types of gaskets. Information provided by Eurofoam s.r.l.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Eurofoam-Porocell-POR-304-CM-HD-EPDM-Foam.php

Physical Properties	Metric	English	Comments
Density	0.140 - 0.180 g/cc	0.00506 - 0.00650 lb/in ³	ISO 845-88
Water Absorption	<= 5.0 %	<= 5.0 %	ASTM D 1056

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	55 - 65	55 - 65	ASTM D 2240
Tensile Strength	0.550 MPa	79.8 psi	ASTM D 412
Elongation at Break	>= 150 %	>= 150 %	ASTM D 412
Compressive Yield Strength	0.0570 MPa	8.27 psi	TSM 1501 G 2A4
	0.0560 MPa @Strain 25.0 %	8.12 psi @Strain 25.0 %	ASTM 1056/85
	0.110 MPa @Strain 50.0 %	16.0 psi @Strain 50.0 %	ASTM 1056/85
Tear Strength	0.350 kN/m	2.00 pli	ASTM D 624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	95.0 °C	203 °F	ASTM D 3575
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	ASTM D 3575
Flammability, UL94	HB	HB	HBF
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	

Descriptive Properties Color	Value Black	Comments
Declaration of Heavy Metal Absence	Conform	RoHS2002/95/EC
Fire Resistance	MV22 302	Pass
Vulcanization	Peroxide	

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