

Eurofoam Porocell POR 304 CM-BI 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-BI-EPDM-Foam.php

Physical Properties	Metric	English	Comments
Density	0.100 - 0.140 g/cc	0.00361 - 0.00506 lb/in ³	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	0.450 MPa	65.3 psi	ASTM D 412
Elongation at Break	>= 150 %	>= 150 %	ASTM D 412
Compressive Yield Strength	0.0350 MPa	5.08 psi	ASTM 1056/85
	@Strain 25.0 %	@Strain 25.0 %	
Compressive Yield Strength	0.0700 MPa	10.2 psi	ASTM 1056/85
	@Strain 50.0 %	@Strain 50.0 %	
Tear Strength	0.280 kN/m	1.60 pli	ASTM D 624
Compression Set	12 %	12 %	ASTM D 395
	@Strain 25.0 %	@Strain 25.0 %	
Compression Set	18 %	18 %	ASTM D 395
	@Strain 50.0 %	@Strain 50.0 %	

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
Shrinkage	<= 5.0 %	<= 5.0 %	Linear; ASTM D 1204
	@Temperature 70.0 °C, Time 605000 sec	@Temperature 158 °F, Time 168 hour	

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

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