

Eurofoam Porocell POR 300/100 Ethylene Octane Metallocene 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-300100-Ethylene-Octane-Metallocene-EPDM-Foam.php

Physical Properties	Metric	English	Comments
Density	0.0900 - 0.110 g/cc	0.00325 - 0.00397 lb/in ³	ISO 845-88
Water Absorption	0.12 %	0.12 %	ASTM D 1056

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	45 - 55	45 - 55	ASTM D 2240
Tensile Strength	0.900 MPa	131 psi	ASTM D 412
Elongation at Break	>= 300 %	>= 300 %	ASTM D 412
Compressive Yield Strength	0.0500 MPa	7.25 psi	ASTM 1056/85
	@Strain 25.0 %	@Strain 25.0 %	
Compressive Yield Strength	0.120 MPa	17.4 psi	ASTM 1056/85
	@Strain 50.0 %	@Strain 50.0 %	
Tear Strength	0.500 kN/m	2.85 pli	ASTM D 624
Compression Set	15 %	15 %	ASTM D 395
	@Strain 25.0 %	@Strain 25.0 %	
Compression Set	25 %	25 %	ASTM D 395
	@Strain 50.0 %	@Strain 50.0 %	

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	75.0 °C	167 °F	ASTM D 3575
Minimum Service Temperature, Air	-30.0 °C	-22.0 °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	Black, White, Grey	
Declaration of Heavy Metal Absence	Conform	RoHS2002/95/EC
Fire Resistance	MV22 302	Pass
Vulcanization	Peroxide	

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