

Eurofoam Porocell POR 446 NDN NR-SBR Foam

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

Material Notes:

Natural and styrene butadiene rubber 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-446-NDN-NR-SBR-Foam.php

Physical Properties	Metric	English	Comments
Density	0.210 - 0.250 g/cc	0.00759 - 0.00903 lb/in³	ISO 845-88
Water Absorption	<= 5.0 %	<= 5.0 %	ASTM D 1056

Mechanical Properties	Metric	English	Comments
Hardness, Shore OO	50 - 60	50 - 60	ASTM D 2240
Tensile Strength	0.800 MPa	116 psi	ASTM D 412
Elongation at Break	>= 200 %	>= 200 %	ASTM D 412
Compressive Yield Strength	0.0650 MPa	9.43 psi	ASTM 1056/85
	@Strain 25.0 %	@Strain 25.0 %	
	0.155 MPa	22.5 psi	ASTM 1056/85
	@Strain 50.0 %	@Strain 50.0 %	
Tear Strength	1.25 kN/m	7.13 pli	ASTM D 624

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	70.0 °C	158 °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	Black	
Declaration of Heavy Metal Absence	Conform	RoHS2002/95/EC

Descriptive Properties	Value	Comments
Vulcanization	Peroxide	

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