

Eurofoam Porocell POR 303/B CR-Neoprene/NBR Foam

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

Material Notes:

Polychloroprene and acrylonitrile butadiene foam rubber. 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-303B-CR-NeopreneNBR-Foam.php

Physical Properties	Metric	English	Comments
Density	0.125 - 0.175 g/cc	0.00452 - 0.00632 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	1.27 MPa	184 psi	ASTM D 412
Elongation at Break	>= 250 %	>= 250 %	ASTM D 412
Compressive Yield Strength	0.0550 MPa @Strain 25.0 %	7.98 psi @Strain 25.0 %	ASTM 1056/85
Tear Strength	0.430 kN/m	2.45 pli	ASTM D 624
Compression Set	25 % @Strain 50.0 %	25 % @Strain 50.0 %	ASTM D 395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	100 °C	212 °F	ASTM D 3575
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	ASTM D 3575
Flammability, UL94	V-0	V-0	HF1-V0
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	Black	

Descriptive Properties	Value	Comments
Declaration of Heavy Metal Absence	Conform	RoHS2002/95/EC
Fire Resistance	AFNOR NF F 16-101/88	Grid 5-M2
	UNI EN ISO 11125-2/05	Pass
Fogging, mg	UNI 4818/93 23 B	
Vulcanization	Peroxide	

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