Eurofoam Porocell POR 445 CDN CR-Neoprene Foam

Categories: Polymer; Thermoset; Rubber or Thermoset Elastomer (TSE)

Material Notes: Polychloroprene foam rubber. Used for thermal insulation and soundproofing, antivibration and waterproofing; different types of gaskets.

Information provided by Eurofoam s.r.l.

Vendors: No vendors are listed for this material. Please click here if you are a supplier and would like information on how to add your listing to this material.

Physical Properties	Metric	English	Comments
Density	0.260 - 0.300 g/cc	0.00939 - 0.0108 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	>= 120 %	>= 120 %	ASTM D 412
Compressive Yield Strength	0.0750 MPa @Strain 25.0 %	10.9 psi @Strain 25.0 %	ASTM 1056/85
Tear Strength	1.00 kN/m	5.71 pli	ASTM D 624
Compression Set	15 % @Strain 50.0 %	15 % @Strain 50.0 %	ASTM D 395

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	85.0 °C	185 °F	ASTM D 3575
Minimum Service Temperature, Air	-40.0 °C	-40.0 °F	ASTM D 3575
Shrinkage	<= 5.0 % @Temperature 70.0 °C, Time 605000 sec	<= 5.0 % @Temperature 158 °F, Time 168 hour	Linear; ASTM D 1204

Descriptive Properties		
Cellular Structure	Closed	
Color	Black	
Declaration of Heavy Metal Absence	Conform	RoHS2002/95/EC
Fire Resistance	MV22 302	Pass
Vulcanization	Sulfur	