

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/in ³	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	

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.