

Monmouth Rubber & Plastics Durafoam, C45 Closed Cell Epichlorohydrin

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

Material Notes:

Information provided by Monmouth Rubber & Plastics Corp.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Monmouth-Rubber-Plastics-Durafoam-C45-Closed-Cell-Epichlorohydrin.php

Physical Properties	Metric	English	Comments
Density	0.368 g/cc	0.0133 lb/in ³	ASTM D1056
Water Absorption	<= 5.0 %	<= 5.0 %	Weight change; ASTM D1056

Mechanical Properties	Metric	English	Comments
Tensile Strength	1.03 MPa	150 psi	Die A; ASTM D412
Elongation at Break	150 %	150 %	Die A; ASTM D412
Compressive Strength	0.117 - 0.172 MPa	17.0 - 25.0 psi	Deflection @ 25%; ASTM D1056
Tear Strength	8.77 kN/m	50.0 pli	Die C; ASTM D624
Compression Set	<= 20 %	<= 20 %	ASTM D1056

Thermal Properties	Metric	English	Comments
Maximum Service Temperature, Air	-40.0 °C	-40.0 °F	
Minimum Service Temperature, Air	149 °C	300 °F	
	325 °C	617 °F	Intermittent

Descriptive Properties	Value	Comments
Color	Black	
Fluid Immersion	<50%	(7 days at 73.4°F) ASTM Ref. Fuel B, Weight Change, ASTM-D-1056
Resilience	0.15	ASTM D2632

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