



March 2010

PHYSICAL PROPERTIES CHART

DURAFOAM™
CLOSED CELL EPICHLOROCHYDRIN
(ECH)

STOCK NUMBER	C41 ECH	C42 ECH	C43 ECH	C44 ECH	C45 ECH
Polymer	ECH	ECH	ECH	ECH	ECH
Color	Black	Black	Black	Black	Black
Specifications: ASTM-D-1056 SAE-J-18 APR2002	2B1 2B1	2B2 2B2	2B3 2B3	2B4 2B4	2B5 2B5
Density, Approx, ASTM-D-1056	15 approx	15 approx	18 approx	19 approx	23 approx
Compression Deflection, 25% ASTM-D-1056	2 to 5 psi	5 to 9 psi	9 to 13 psi	13 to 17 psi	17 to 25 psi
Compression Set, ASTM-D-1056	≤ 25%	≤ 25%	≤ 25%	≤ 20%	≤ 20%
Tensile Strength, ASTM-D-412 (Die A)	120 psi	90 psi	100 psi	110 psi	150 psi
Tear Strength, ASTM-D-624 (Die C)	18 lb/in	20 lb/in	20 lb/in	25 lb/in	50 lb/in
Elongation, ASTM-D-412 (Die A)	250%	175%	175%	150%	150%
Resilience, ASTM-D-2632	45%	30%	35%	28%	15%
Temp Resistance, ASTM-D-746 Low High Continuous High Intermittent	-40°F +300°F +325°F	-40°F +300°F +325°F	-40°F +300°F +325°F	-40°F +300°F +325°F	-40°F +300°F +325°F
Water Absorption Max Weight Change, ASTM-D-1056	<5%	<5%	<5%	<5%	<5%
Fluid Immersion (7 days at 73.4°F) ASTM Ref. Fuel B, Weight Change, ASTM-D-1056	<50%	<50%	<50%	<50%	<50%
Accelerated Aging (7 days at 158°F). ASTM-D-1056 Flexibility (180° bend without cracking) Appearance Change Change in Comp. Deflection	Pass None +/- 30%	Pass None +/- 30%	Pass None +/- 30%	Pass None +/- 30%	Pass None +/- 30%
Combustion Characteristics, FMVSS-302	Pass	Pass	Pass	Pass	Pass

This data and information is provided as a technical service and is subject to change without notice. Some of the above information may be provided from outside sources and MRPC relies on those sources to provide accurate information. Test results provided based on our own lab testing is believed to be accurate and is provided to the best of our ability based on our knowledge of the test methods and specifications listed. However, please keep in mind that some materials have unique physicals that are not part of the recognized industry specifications and standards. Therefore customer sample evaluation and approval of any material is suggested. MRPC will provide free of charge samples of its materials to assist customers in their evaluation to determine the safety, fitness and suitability of the product for the application and use by the user and by any third party which may use the product. MRPC cannot control the final use of the product and, therefore, does not guarantee the performance or the exact duplication of the results published in this document. For technical evaluation and support, please contact John M. Bonforte, Sr, Ext. 12 or email: johnsr@monmouthrubber.com



ISO CERTIFIED 9001:2008
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PHYSICAL AND SHOCK ATTENUATION TEST LABORATORY

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