



May 2024

PHYSICAL PROPERTIES CHART

DURAFOAM™ CLOSED CELL EPICHLOROCHYDRIN (ECH)

STOCK NUMBER	C41 ECH	C42 ECH	C43 ECH
Polymer	ECH	ECH	ECH
Color	Black	Black	Black
Specifications: ASTM-D-1056 SAE-J-18 APR2002	2B1 2B1	2B2 2B2	2B3 2B3
Density, Approx, ASTM-D-1056	15 approx	15 approx	18 approx
Compression Deflection, 25% ASTM-D-1056	2 to 5 psi	5 to 9 psi	9 to 13 psi
Compression Set, ASTM-D-1056	≤ 25%	≤ 25%	≤ 25%
Tensile Strength, ASTM-D-412 (Die A)	120 psi	90 psi	100 psi
Tear Strength, ASTM-D-624 (Die C)	18 lb/in	20 lb/in	20 lb/in
Elongation, ASTM-D-412 (Die A)	250%	175%	175%
Resilience, ASTM-D-2632	45%	30%	35%
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
Water Absorption Max Weight Change, ASTM-D-1056	<5%	<5%	<5%
Fluid Immersion (7 days at 73.4°F) ASTM Ref. Fuel B, Weight Change, ASTM-D-1056	<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%
Combustion Characteristics, FMVSS-302	Pass	Pass	Pass

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PHYSICAL AND SHOCK ATTENUATION TEST LABORATORY

75 LONG BRANCH AVENUE, LONG BRANCH, NJ 07740

PHONE 888-FOAM-888 EXT.112 FAX 800-375-1962

Int'l Phone 1-732-229-3444 Int'l Fax 1-732-229-0711

E-mail johnsr@monmouthrubber.com Internet <http://www.monmouthrubber.com>