

# Typical Properties of ECH SPONGE

## Epichlorohydrin

### POLYMER

### Epichlorohydrin

PHYSICAL PROPERTIES	UNIT	TEST METHOD	TYPICAL RESULTS
Density	g/cm <sup>3</sup> lb/ft <sup>3</sup>	ASTM D 1056 ASTM D 1056	0.24 +/- 0.048 15 +/- 3
Hardness, Durometer Shore 00		ASTM D 2240	60 +/- 5
Compression Deflection (25%)	kPa psi	ASTM D 1056 ASTM D 1056	48 +/- 14 7 +/- 2
Compression Set	%	ASTM D 1056	</- 25%
Tensile Strength	kPa psi	ASTM D 412 (Die A) ASTM D 412 (Die A)	830 90
Tear Strength	kN/m lb/in	ASTM D 624 (Die C) ASTM D 624 (Die C)	3.5 20
Elongation	%	ASTM D 412 (Die A)	175%
Resilience	%	ASTM D 2632	30%
Service Temperature			
Low	°F	ASTM D 746	-40
High Continuous	°F	ASTM D 746	300
High Intermittent	°F	ASTM D 746	325
Water Absorption Maximum Weight Change	%	ASTM D 1056	< 5%
Fluid Immersion (7 days at 23°C [73.4°F]) ASTM Ref. Fuel B, Weight Change (%)	%	ASTM D 1056	< 50%
Accelerated Aging (7 days at 70°C [158°F]) Flexibility (180° Bend Without Cracking) Appearance Change Change in Compression Deflection	%	ASTM D 1056 ASTM D 1056 ASTM D 1056	Pass None +/- 30%
Combustion Characteristics		FMVSS-302	Pass

ASTM D 1056 Designation ..... 2B2  
 SAE J 18 APR2002 Designation ..... 2B2  
 ASTM D 6576 ..... II-A/B Soft/Medium

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