



4051 Closed Cell Sponge

Property	Test Method	Result
Polymer		Epichlorohydrin (ECH)
Color		Black
Sheet Size		38" x 48"
ASTM D-1056		2B1
ASTM D-6576-07 Classification		Type II, A or B, Soft
SAEJ18 APR2002		2B1
Density (lbs/ft ³)	ASTM D 1056	15 ± 3
Durometer (Shore 00)	ASTM D 2240	55 ± 5
Compression Deflection (25%)	ASTM D 1056	24 ± 10
Compression Set (%)	ASTM D 1056	≤ 25%
Tensile Strength	ASTM D 412 (DIE A)	120 psi
Tear Strength (lb./in)	ASTM D 624 (DIE C)	18
Elongation (%)	ASTM D 412 (DIE A)	250%
Resilience	ASTM D 2362	45
Service Temperature:		
-Low	ASTM D 746	-40°F
-High Continuous	ASTM D 746	300°F
-High Intermittent	ASTM D 746	325°F
Water Absorption		
-Maximum Weight Change %	ASTM D 1056	< 5%
Fuel Immersion:		(7 days at 73.4°F)
ASTM Ref, Fuel B, Weight Change %	ASTM D 1056	< 50%
Accelerated Aging		(7 days at 158°F)
-Flexibility	ASTM D 1056	Pass
-Appearance Change	ASTM D 1056	None
-Change in Compression Deflection	ASTM D 1056	± 30%
Flammability	FMVSS302	Pass

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