

DATA SHEET (effective 02/25/08)

Polymer Base: ECH

F-04051 (Black)

Physical Properties	Unit	Test Method	Typical Results
Density	g/cm ³	ASTM D 1056	0.24 ± 0.048
	lb/ft ³	ASTM D 1056	15 ± 3
Hardness, Durometer Shore 00		ASTM D 2240	55 ± 5
Compression Deflection (25%)	kPa	ASTM D 1056	24 ± 10
	psi	ASTM D 1056	3.5 ± 1.5
Compression Set	%	ASTM D 1056	≤ 25%
Tensile Strength	kPa	ASTM D 412 (Die A)	830
	psi	ASTM D 412 (Die A)	120
Tear Strength	kN/m	ASTM D 624 (Die C)	3.2
	lb/in	ASTM D 624 (Die C)	18
Elongation	%	ASTM D 412 (Die A)	250%
Resilience	%	ASTM D 2632	45%
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)		ASTM D 1056	Pass
Appearance change		ASTM D 1056	None
Change in Compression Deflection	%	ASTM D 1056	± 30%
Combustion Characteristics		FMVSS-302	Pass

ASTM D 1056 designation: **2B1**
 SAE J 18 APR2002 designation: **2B1**
 ASTM D 6576: **II-A/B Soft**

For updates to this document please refer to our website.

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