

DATA SHEET (effective 02/22/08)

Polymer Base: Neoprene (CR Based)

F-02012 (Black)

Physical Properties	Unit	Test Method	Typical Results
Density	g/cm ³	ASTM D 1056	0.144 ± 0.032
	lb/ft ³	ASTM D 1056	9 ± 2
Hardness, Durometer Shore 00		ASTM D 2240	50 ± 5
Compression Deflection (25%)	kPa	ASTM D 1056	48 ± 14
	psi	ASTM D 1056	7 ± 2
Compression Set	%	ASTM D 1056	≤ 25%
Tensile Strength	kPa	ASTM D 412 (Die A)	520
	psi	ASTM D 412 (Die A)	75
Tear Strength	kN/m	ASTM D 624 (Die C)	2.8
	lb/in	ASTM D 624 (Die C)	16
Elongation	%	ASTM D 412 (Die A)	150%
Resilience	%	ASTM D 2632	30%
Service Temperature			
Low	°F	ASTM D 746	-40
High Continuous	°F	ASTM D 746	150
High Intermittent	°F	ASTM D 746	200
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	Not Applicable
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
		UL 94HF-1	Pass
			UL listed (black & grey)

ASTM D 1056 designation: **2A2**
 SAE J 18 APR2002 designation: **2A2**
 ASTM D 6576: **II-A/B Soft/Medium**

For updates to this document please refer to our website.

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Seal & Design
Able Division
 5533 Steeles Avenue West Unit 11
 Toronto, Ontario M9L 1S7
 Ph: (416) 741-0750
 Gasket@AbleSealAndDesign.com



Seal & Design
Corporate Headquarters
 4015 Casilio Parkway
 Clarence, NY 14031
 Ph: (716) 759-2222
 Info@SealAndDesign.com
 www.SealAndDesign.com



Seal & Design
Higbee Division
 6741 Thompson Rd N
 Syracuse, NY 13221
 Ph: (315) 432-8021
 Sales@Higbee-Inc.com