

DATA SHEET (effective 5JUN14)

Polymer Base: Neoprene, EPDM, SBR Blend

F-05091 (Black)

Physical Properties	Unit	Test Method	Typical Results
Density	g/cm ³	ASTM D 1056	0.064 ± 0.016
	lb/ft ³	ASTM D 1056	4 ± 1
Hardness, Durometer Shore 00		ASTM D 2240	42 + 5
Compression Deflection (25%)	kPa	ASTM D 1056	24 + 10
	psi	ASTM D 1056	3.5 ± 1.5
Compression Set	%	ASTM D 1056	≤ 40%
Tensile Strength	kPa	ASTM D 412 (Die A)	340
	psi	ASTM D 412 (Die A)	50
Tear Strength	kN/m	ASTM D 624 (Die C)	1.2
	lb/in	ASTM D 624 (Die C)	6.8
Elongation	%	ASTM D 412 (Die A)	125%
Resilience	%	ASTM D 2632	45%
Service Temperature			
Low	°F	ASTM D 1056	-40
High Continuous	°F		200
High Intermittent	°F		250
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
			Passes flame test with thickness greater than 3/16" only

ASTM D 1056 designation: **2A1**
 SAE J 18 APR2002 designation: **2A1**
 ASTM D 6576: **II B / C Soft**

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