

DATA SHEET (effective 02/22/08)

Polymer Base: Neoprene (CR Based)

F-02062 (Black)

Physical Properties	Unit	Test Method	Typical Results
Density	g/cm ³	ASTM D 1056	0.112 ± 0.032
	lb/ft ³	ASTM D 1056	7 ± 2
Hardness, Durometer Shore 00		ASTM D 2240	60 ± 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)	550
	psi	ASTM D 412 (Die A)	80
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)	120%
Resilience	%	ASTM D 2632	10%
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	< 250%
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			
Suffix B3: Compression Set (%)	%		
ASTM D 1056-00 Requirements: 35% max		ASTM D 1056	≤ 25%
Suffix C3: Ozone Resistance 6 week outdoor Exposure, Quality Retention	%	ASTM D 1171 Method B	100% (Pass)
Suffix F1: Low Temperature resistance 5 H @ -40°C (-40°F) Flex, 180° bend around mandrel 4 X diameter of sample thickness		No Cracking	Pass

ASTM D 1056 designation: **2C2 B3 C3 F1**

SAE J 18 APR2002 designation: **2C2 B3 C3 F1**

ASTM D 6576: **II-B Soft-Medium**

Note #1: PENN DOT Bulletin 15 Section 1107.02(p)1

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