



## MONARCH PRODUCT DESCRIPTION F-005031 (Black)

Polymer base: Neoprene, EPDM, SBR blend

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

Physical Properties		Test Method	Typical Results
Density	g/cm <sup>3</sup> lb/ft <sup>3</sup>	ASTM D 1056	0.096 ± 0.032 6 ± 2
Hardness	Durometer Shore 00	ASTM D 2240	45 ± 5
Compression Deflection (25%)	kPa psi	ASTM D 1056	24 ± 10 3.5 ± 1.5
Compression Set (%)		ASTM D 1056	≤ 40%
Tensile Strength	kPa psi	ASTM D 412 (Die A)	520 75
Tear Strength	kN/m lb/in	ASTM D 624 (Die C)	1.7 9.6
Elongation (%)		ASTM D 412 (Die A)	125%
Resilience (%)		ASTM D 2632	35%
Service Temperature (°F)	Low High Continuous High Intermittent	ASTM D 746	-40 200 250
Water Absorption Maximum Weight Change (%)		ASTM D 1056	< 5%
Fluid Immersion [7 days at 23C (73.4F)] ASTM Ref. Fuel B, Weight Change (%)		ASTM D 1056	< Not Applicable
Accelerated Aging [7 days at 70C (158F)] Flexibility (180° bend without cracking) Appearance Change Change in Compression Deflection (%)		ASTM D 1056	Pass None ± 30%
Combustion Characteristics		FMVSS-302 UL 94HF-1	Pass Pass UL Listed (black only)

For updates to this document please refer to our website.

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