armacell
engineered foams

Monarch

SUBMITTAL SHEET (effective 06/15/07)

Polymer Base: Neoprene, EPDM, SBR Blend — F-05931 (Gray)

Physical Properties	Unit	Test Method	Typical Results
Density	g/cm^3	ASTM D 1056	0.096 ± 0.032
	lb/ft^3	ASTM D 1056	6 ± 2
Hardness, Durometer Shore 00		ASTM D 2240	45 ± 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)	520
	psi	ASTM D 412 (Die A)	75
Tear Strength	kN/m	ASTM D 624 (Die C)	1.7
	lb/in	ASTM D 624 (Die C)	9.6
Elongation	%	ASTM D 412 (Die A)	125%
Resilience	%	ASTM D 2632	35%
Service Temperature			
Low	°F	ASTM D 746	-40
High Continuous	°F	ASTM D 746	200
High Intermittent	°F	ASTM D 746	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
		UL 94HF-1	Pass
			UL Listed (black only)

ASTM D 1056 designation: **2A1**
SAE J 18 APR2002 designation: **2A1**
ASTM D 6576: **II-A/B/C Soft**
Listed to: **UL508, UL50, JMLU2**

For updates to this document please refer to our website.

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