

DATA SHEET (effective 11/11/11)

Polymer Base: Pure EPDM

F-08082 (Dark Black)
(Low Sulfur)

Physical Properties	Unit	Test Method	Typical Results
Density	kg/m ³	ASTM D 1056	112 ± 32
	lb/ft ³	ASTM D 1056	7 ± 2
Hardness, Durometer Shore 00		ASTM D 2240	40 ± 10
Compression Deflection (25%)	kPa	ASTM D 1056	48 ± 14
	psi	ASTM D 1056	7 ± 2
Compression Set	%	ASTM D 1056	≤ 50%
Tensile Strength	kPa	ASTM D 412 (Die A)	420
	psi	ASTM D 412 (Die A)	60
Tear Strength	kN/m	ASTM D 624 (Die C)	1.4
	lb/in	ASTM D 624 (Die C)	8
Elongation	%	ASTM D 412 (Die A)	150%
Resilience	%	ASTM D 2632	50%
Service Temperature			
Low	°F	ASTM D 746	-70
High Continuous	°F	ASTM D 746	220
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 at 3/16" & higher

ASTM D 1056 designation: **2A2**
SAE J 18 APR2002 designation: **2A2**

ALL ARMACELL FACILITIES IN NORTH AMERICA ARE
ISO 9001:2008 OR ISO/TS 16949:2002 CERTIFIED

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