DRIVEN BY PERFORMANCE

Monarch
5071

Engineered to prevent fungus growth in sealing and gasket applications.

// Low density
// Soft firmness
// Good flame performance
// Suitable for outdoor applications
// Meets OEM specifications

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TECHNICAL DATA - MONARCH 5071

Product color range	Black
Additives	Biocide
ASTM D 1056 Designation	2A1
Cell structure	Closed
Form	Bun
Polymer	EPDM/CR/SBR
Markets	Automotive, Industrial
Applications	Gaskets and seals

Property	Value / Assessment	Comments
Approvals and specifications		
Ford	ES8-G13-19A672-AA (Rev B)	Requirement: Rating 1 max (pass)
ASTM	G21	Result: Rating 0
Military	MIL STD 810 Method 508	Result: Rating 0

Property	Value / Assessment						Standard / Test method
Temperature range							
Service temperature	Min. °C	Min. °F	Max. °C (intermittent)	Max. °F (intermittent)	Max. °C	Max. °F	ASTM D1056
	-40	-40	121	250	93.3	200	
Flammability							
Flame FMVSS 302 (burn rate)	3.94 in/minute (100 mm/minute) max Passes at 0.125 in (3.18 mm) and higher						FMVSS 302
Resistance to water							
Water absorption by vacuum	5% max						ASTM D1056
Physical attributes							
Density	4 - 8 lb/ft³ 64 - 128 kg/m³						ASTM D1056
Mechanical properties							
Compression set	40% max						ASTM D1056
Tensile strength	45 psi min 310 kPa min						ASTM D412 (Die A)
Elongation	100% min						ASTM D412 (Die A)
Tear strength	7.1 lb/in min 1.23 kN/m min						ASTM D624 (Die C)
Hardness durometer shore 00	40 - 60						ASTM D2240
Resilience	28 - 38%						ASTM D2632
Compression deflection							
Compression deflection 25%	2 - 5 psi 13.8 - 34.5 kPa						ASTM D1056

Property	Value / Assessment	Standard / Test method
Change in compression deflection	±30 %	ASTM D1056

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ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal and mechanical solutions that create sustainable value for its customers. Armacell's products significantly contribute to global energy efficiency making a difference around the world every day. With more than 3,300 employees and 27 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.

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