



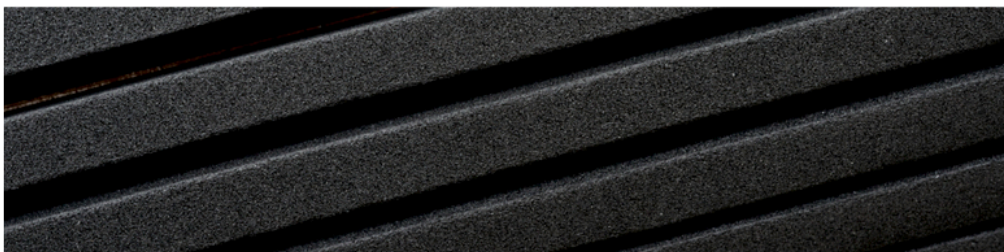
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# Monarch 3071

Engineered to prevent fungus growth in  
sealing and gasket applications.

- // Low density
- // Soft firmness
- // Broad service temperature range
- // Tested to ASTM G21

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## TECHNICAL DATA - MONARCH 3071

Brief description	3071 is a 100% EPDM, closed cell, soft, low density, foam product that meets ASTM D 1056 2A1 requirements. It is an excellent solution for applications where fungus resistance is needed. This product is also an excellent solution for applications requiring ozone resistance and/or high temperature resistance.
Product color range	Black
Additives	Biocide
ASTM D 1056 Designation	2A1
Cell structure	Closed
Form	Bun
Polymer	100% EPDM
Markets	Automotive
Applications	Gaskets and seals

Source	Specification	Comments
<b>Approvals and specifications</b>		
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
<b>Temperature range</b>							
Service temperature	Min. °C	Min. °F	Max. °C (intermittent)	Max. °F (intermittent)	Max. °C	Max. °F	ASTM D1056
	-75	-103	121	250	104	220	
<b>Flammability</b>							
Flame FMVSS 302 (burn rate)	3.94 in/minute (100 mm/minute) max Passes at 0.188 in (4.76 mm) and higher						FMVSS 302
<b>Resistance to water</b>							
Water absorption by vacuum	10% max						ASTM D1056
<b>Physical attributes</b>							
Density	3 - 5 lb/ft <sup>3</sup> 48 - 80 kg/m <sup>3</sup>						ASTM D1056
<b>Mechanical properties</b>							
Compression set	45% max						ASTM D1056
Tensile strength	40 psi min 276 kPa min						ASTM D412 (Die A)
Elongation	150% min						ASTM D412 (Die A)
Tear strength	6 lb/in min 1.05 kN/m min						ASTM D624 (Die C)
Hardness durometer shore 00	30 - 50						ASTM D2240
Resilience	50 - 70%						ASTM D2632

Property	Value / Assessment	Standard / Test method
<b>Compression deflection</b>		
Compression deflection 25%	2 - 5 psi 13.8 - 34.5 kPa	ASTM D1056
Change in compression deflection	±30 %	ASTM D1056

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# ABOUT ARMACELL

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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 25 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.

For more information, please visit:  
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