DRIVEN BY PERFORMANCE

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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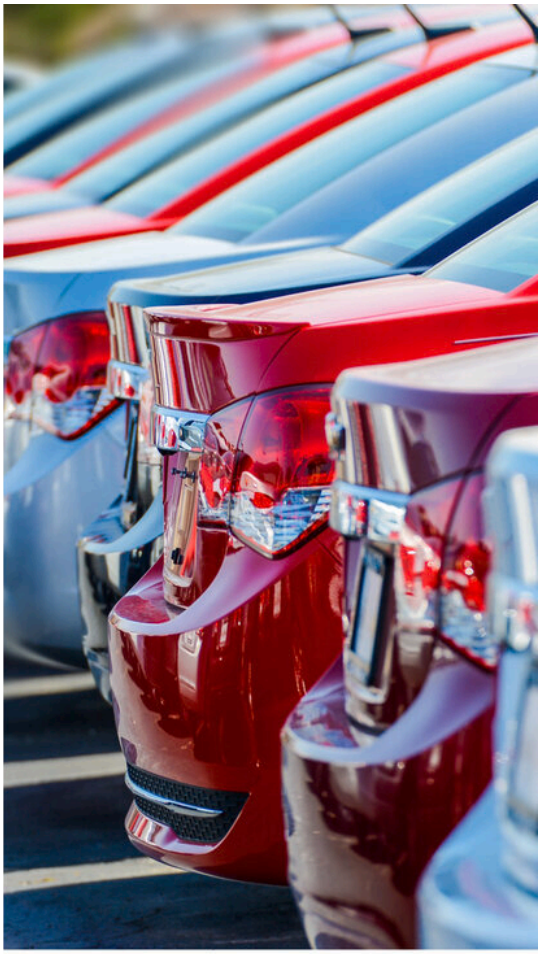

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TECHNICAL DATA - MONARCH 3071

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
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
	-75	-103	121	250	104	220	
Flammability							
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
Resistance to water							
Water absorption by vacuum	10% max						ASTM D1056
Physical attributes							
Density	3 - 5 lb/ft³ 48.1 - 80.1 kg/m³						ASTM D1056
Mechanical properties							
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
Compression deflection		
Compression deflection 25%	2 - 5 psi 13.8 - 34.5 kPa	ASTM D1056
Change in compression deflection	±30 %	ASTM D1056

ArmaComp | Monarch 3071 | TDS | 112025 | en-US

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 insulation solutions that create sustainable value for its customers. Armacell's products significantly contribute to driving energy efficiency worldwide. With more than 3,100 employees and 26 production plants in 20 countries, Armacell 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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For more information, please visit:
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