



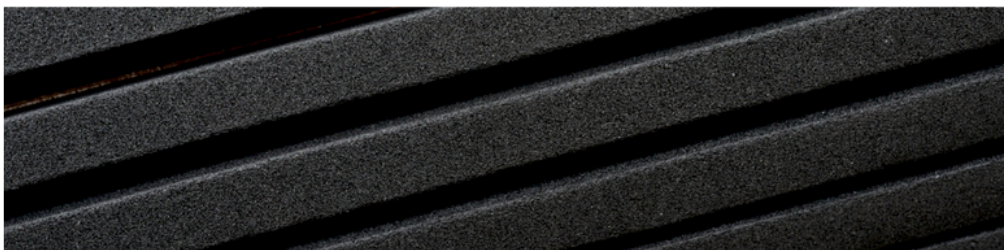
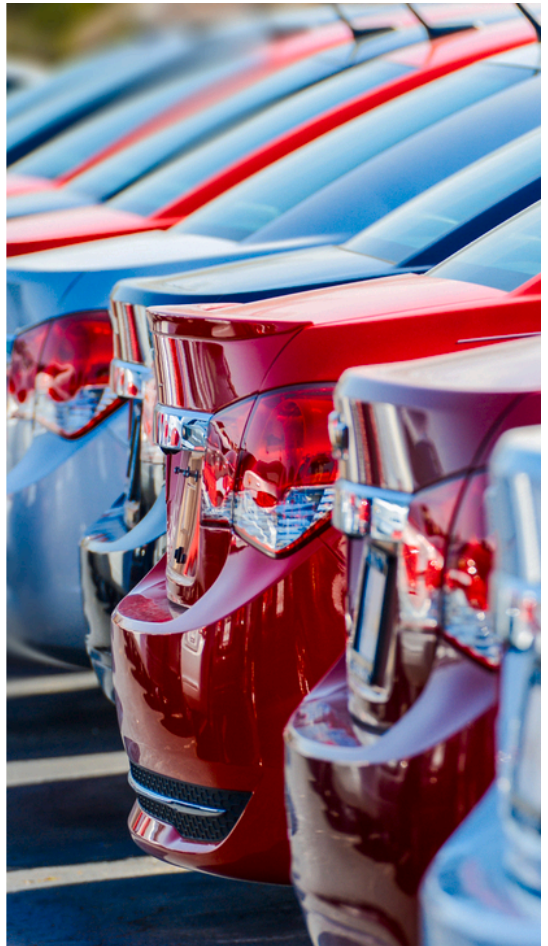
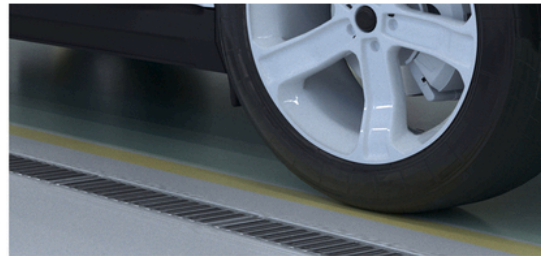
DRIVEN BY PERFORMANCE

Monarch 5932

Engineered as a gasket and seal solution to provide protection from dust, debris, moisture, and weathering.

- // Low density
- // Soft to medium firmness
- // Suitable for outdoor applications
- // Meets OEM specifications

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TECHNICAL DATA - MONARCH 5932

Brief description	5932 is an EPDM blended, low density, soft/medium firmness, closed cell foam product made in bun form that meets ASTM D 1056 2A2 requirements. This product is UL listed for gasket & seals. This product is gray in color and also available in black (5032).
Product color range	Gray
ASTM D 1056 Designation	2A2
Cell structure	Closed
Form	Bun
Polymer	EPDM/CR/SBR
Markets	Automotive, Electrical
Applications	Gaskets and seals

Source	Specification	Comments
Approvals and specifications		
MAHLE	GN AR 06220 Par 6.2 [MAHLE GN AR 06346]	Previously Delphi SD2 207 Par 6.2

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
	-55	-67	121	250	93.3	200	
Flammability							
Flame FMVSS 302 (burn rate)	3.94 in/minute (100 mm/minute) max Passes at 0.098 in (2.5 mm) and higher						FMVSS 302
Resistance to water							
Water absorption by vacuum	5% max						ASTM D1056
Physical attributes							
Density	4 - 8 lb/ft ³ 64 - 128 kg/m ³						ASTM D1056
Mechanical properties							
Compression set	50% 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	30 - 40%						ASTM D2632
Compression deflection							
Compression deflection 25%	5 - 9 psi 34.5 - 62.1 kPa						ASTM D1056
Change in compression deflection	±30 %						ASTM D1056

Property	Value / Assessment	Standard / Test method
UL Listed		
UL gaskets and seals	UL File # JMLU2.MH25062 Suitable for UL50E continuous & periodic compression applications for enclosure types: 2, 3, 3X, 3R, 3RX, 3S, 3SX, 4, 4X, 5, 6, 6P, 12, 12K and 13 including oil immersion. Suitable as gasket material for use in UL 48 - Electric Signs. Suitable as gasket material for use in UL 508 - Industrial Control Equipment UL gaskets & seals max service temperature: 60°C (140°F)	UL 48, UL 508, UL 50E

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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.

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