



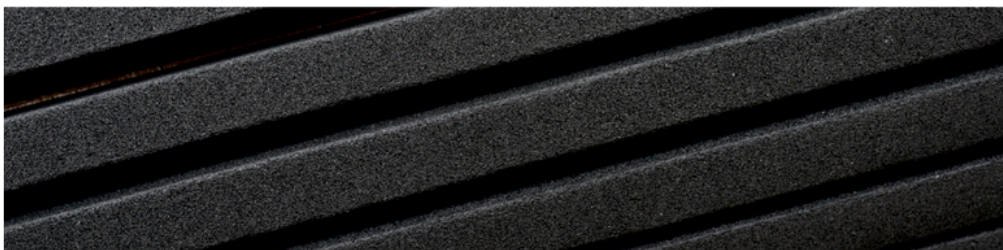
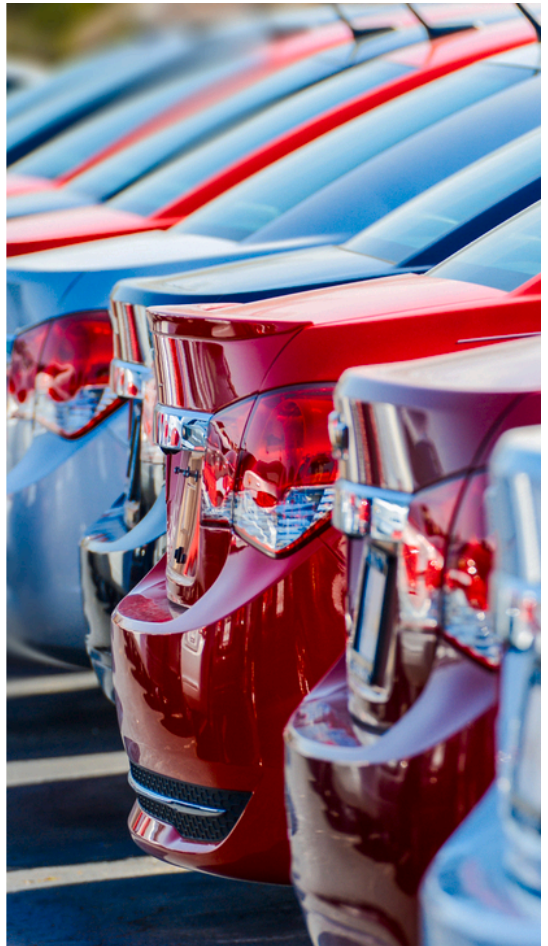
DRIVEN BY PERFORMANCE

# Monarch 3992

Engineered as a versatile solution for applications such as gaskets and indoor or outdoor seals.

- // Low density
- // Soft to medium firmness
- // Superior resistance to ozone and weathering
- // Broad service temperature range
- // Meets OEM specification

[www.armacell.com](http://www.armacell.com)



 **armacell**<sup>®</sup>  
MAKING A DIFFERENCE AROUND THE WORLD

## TECHNICAL DATA - MONARCH 3992

Brief description	3992 is a 100% EPDM, closed cell, soft, low density, foam product that meets ASTM D 1056 2A2 requirements. Excellent solution for outdoor applications where ozone resistance is needed or for low temperature applications. It is a good solution for high heat applications. This product is gray in color but also available in black (3092).
Product color range	Gray
ASTM D 1056 Designation	2A1/2A2
Cell structure	Closed
Form	Bun
Polymer	100% EPDM
Markets	Automotive
Applications	Gaskets and seals, General purpose

Source	Specification	Comments
<b>Approvals and specifications</b>		
MAHLE	GN AR 06220 Par 6.10	Previously Delphi SD2 207 Par 6.10

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	4 - 6 lb/ft <sup>3</sup> 64 - 96 kg/m <sup>3</sup>						ASTM D1056
<b>Mechanical properties</b>							
Compression set	50% max						ASTM D1056
Tensile strength	35 psi min 241 kPa min						ASTM D412 (Die A)
Elongation	125% min						ASTM D412 (Die A)
Tear strength	5 lb/in min 0.9 kN/m min						ASTM D624 (Die C)
Hardness durometer shore 00	40 - 60						ASTM D2240
Resilience	50 - 60%						ASTM D2632
<b>Compression deflection</b>							
Compression deflection 25%	4 - 8 psi 27.6 - 55.2 kPa						ASTM D1056

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

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Armacell does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Armacell also does not assume any liability towards any person resulting from the use of said data or technical information. Armacell reserves the right to revoke, modify or amend this document at any moment. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. This document does not constitute nor is part of a legal offer to sell or to contract.

At Armacell, your trust means everything to us, so we want to let you know your rights and make it easier for you to understand what information we collect and why we collect it. If you would like to find out about our processing of your data, please visit our Data Protection Policy.

Trademarks followed by © or TM are trademarks of the Armacell Group. © Armacell, 2023. All rights reserved.

ArmaComp | Monarch 3992 | TDS | 062024 | 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 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:  
[www.armacell.com](http://www.armacell.com)

