

DRIVEN BY PERFORMANCE

Monarch[®] 5913

Closed cell EPDM/CR/SBR blend foam in bun form

// ASTM D 1056 2A3

// Manufactured in buns (blocks)

// UL Listed: UL50E, UL48 & UL508 (gaskets and seals)

// Color gray, available in black (5013)

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 **armacell**[®]
ArmaComp[™]

MONARCH 5913 | Closed cell EPDM/CR/SBR blend foam in bun form

Monarch 5913: Armacell (Spencer, WV Plant) manufactures a gray, closed cell, 7 - 11 lb/ft³ (112 - 176 kg/m³) density, EPDM/Neoprene/SBR blended rubber product 5913, that meets the requirements of ASTM D 1056 2A3. 5913 meets the requirements of FMVSS-302, 4 inches per minute burn rate max., at 2.5 mm (0.098") and higher. 5913 is listed with UL to UL 157, UL48, UL 50E (periodic & continuous compression) & UL 508 (UL File#: JMLU2.MH25062). 5913 is also available in black (5013).

TECHNICAL DATA SHEET | BUNS (effective 7/5/2022)

POLYMER: EPDM/CR/SBR

Physical Property	Test Method	Unit	Value	
ASTM D 1056 Designation	-	-	2A3	
Cell Structure	-	-	Closed	
Color	-	-	Gray	
Compression Deflection 25%	ASTM D 1056	psi kPa	9 - 13 62 - 89.6	
Compression Deflection 25%, after Heat Aging	ASTM D 1056	%	± 30	
Compression Set (Room temp)	ASTM D 1056	%	35 max	
Compression Deflection 50%, 60 second hold	ISO 3386-1	psi kPa	14.07 - 24.95 97.01 - 172	
Density	ASTM D 1056	lb/ft ³ kg/m ³	7 - 11 112 - 176	
Elongation	ASTM D 412 (Die A)	%	125 min	
Flammability	FMVSS 302	in mm	0.098 and higher 2.5 and higher	
Hardness, Durometer Shore 00	ASTM D 2240	-	50 - 70	
Resilience	ASTM D 2632	%	15 - 25	
Service Temperature	Low	ASTM D 1056	°F °C	-40 -40
	High Continuous	-	°F °C	200 93.3
Service Temperature	High Intermittent	-	°F °C	250 121
	Tear Strength	ASTM D 624 (Die C)	lb/in kN/m	9 min 1.6 min
Tensile Strength	ASTM D 412 (Die A)	psi kPa	55 min 379 min	
Water Absorption	ASTM D 1056	%	5 max	

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.

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Monarch 5913 | Data Sheet | 012023 | NA | EN-A

ABOUT ARMACELL

As the inventors of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal, acoustic 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 3,100 employees and 26 production plants in 18 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for high-tech and lightweight applications and next generation aerogel blanket technology.

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