

INDUSTRIAL STRENGTH

Monarch[®] 6032

Closed cell NBR / PVC foam in bun form

// ASTM D 1056 2A2 / 2C2 / 2B2

// Manufactured in buns (blocks)

// Color black, also available in natural / beige (6232)

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 **armacell**[®]
ArmaComp[™]

MONARCH 6032 | Closed cell NBR / PVC foam in bun form

Monarch® 6032: Armacell (Spencer, WV Plant) manufactures a black, 5 - 9 lb/ft³ (80 - 144 kg/m³) density, closed cell Vinyl Nitrile (NBR / PVC) blended rubber product 6032, that meets the physical property requirements of ASTM D 1056 2A2 / 2C2 / 2B2. 6032 meets the horizontal burn / flame requirements of FMVSS 302 at 2.5 mm (0.098") and higher. This product is also available in natural / beige (6232).

TECHNICAL DATA SHEET | BUNS (effective 2/13/2023)

POLYMER: NBR / PVC

Physical Property	Test Method	Unit	Value	
ASTM D 1056 Designation	-	-	2A2 2C2 2B2	
Cell Structure	-	-	Closed	
Color	-	-	Black (also available in Natural / Beige (6232))	
Compression Deflection 25%	ASTM D 1056	psi kPa	5 - 9 34.5 - 62	
Compression Deflection 25%, after Heat Aging	ASTM D 1056	%	± 30	
Compression Set (Room temp)	ASTM D 1056	%	25 max	
Density	ASTM D 1056	lb/ft ³ kg/m ³	5 - 9 80 - 144	
Elongation	ASTM D 412 (Die A)	%	65 min	
Flammability	FMVSS 302	in mm	0.098 and higher 2.5 and higher	
Fluid Immersion	ASTM D 1056	%	100 max	
Hardness, Durometer Shore 00	ASTM D 2240	-	55 - 75	
Resilience	ASTM D 2632	%	5 - 15	
Service Temperature	Low	ASTM D 1056	°F °C	-40 -40
	High Continuous	-	°F °C	200 93.3
	High Intermittent	-	°F °C	250 121
Tear Strength	ASTM D 624 (Die C)	lb/in kN/m	10 min 1.7 min	
Tensile Strength	ASTM D 412 (Die A)	psi kPa	70 min 483 min	
Water Absorption	ASTM D 1056	%	5 max	

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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 27 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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