

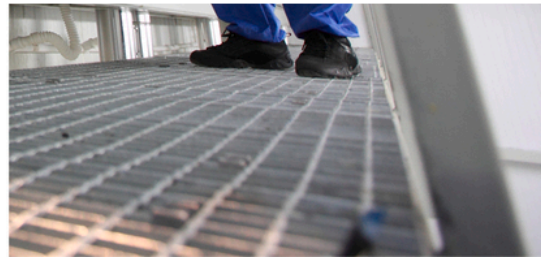


ENGINEERED FOR SUCCESS

# Monarch 6031

Engineered gasket solution to provide protection from dust, debris, and moisture.

- // Low to medium density
- // Soft firmness
- // Excellent oil and fuel resistance



 **armacell**<sup>®</sup>  
ArmaComp<sup>™</sup>

## TECHNICAL DATA - MONARCH 6031

Product color range	Black
ASTM D 1056 Designation	2A1/2A2 / 2C1/2C2 / 2B1/2B2
Cell structure	Closed
Form	Bun
Polymer	NBR/PVC

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
	-40	-40	93.3	200	71.1	160	
<b>Flammability</b>							
Flame FMVSS 302 (burn rate)	3.94 in/minute (100 mm/minute) max Passes at 0.125 in (3.18 mm) and higher						FMVSS 302
<b>Resistance to water</b>							
Water absorption by vacuum	5% max						ASTM D1056
<b>Physical attributes</b>							
Density	5 - 9 lb/ft <sup>3</sup> 80 - 144 kg/m <sup>3</sup>						ASTM D1056
<b>Mechanical properties</b>							
Compression set	30% max						ASTM D1056
Tensile strength	80 psi min 552 kPa min						ASTM D412 (Die A)
Elongation	100% min						ASTM D412 (Die A)
Tear strength	12 lb/in min 2.1 kN/m min						ASTM D624 (Die C)
Hardness durometer shore 00	50 - 70						ASTM D2240
Resilience	10 - 20%						ASTM D2632
Fluid immersion	100% max						ASTM D1056
<b>Compression deflection</b>							
Compression deflection 25%	4 - 8 psi 27.6 - 55.2 kPa						ASTM D1056
Change in compression deflection	±30 %						ASTM D1056

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## ABOUT ARMACELL

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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.

For more information, please visit:  
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