



ENGINEERED FOR SUCCESS

EnsoLite and Monarch Gaskets and Seals

Original Equipment Manufacturers (OEM) understand the importance of using high quality engineered foams to ensure their products are meeting performance and regulatory compliance standards. Armacell's innovative elastomeric closed-cell foam products EnsoLite® and Monarch® are engineered to meet specific design considerations for fabricated products in the OEM market.

- // Soft, flexible closed-cell and semi-closed cell foams
- // Flame, water and high and low temperature resistant
- // Variety of density and compression deflection combinations
- // Skin 2 sides available
- // Made in the USA



TECHNICAL DATA – Monarch and EnsoLite Gaskets

Bun Properties

Brand	Product	ASTM D 1056 Designation	Polymer	Density (lb/ft ³) Lower to Upper Limit	Density (kg/m ³) Lower to Upper Limit	25% CD (psi) Lower to Upper Limit	25% CD (kPa) Lower to Upper Limit	Color	Cell Structure	Notes
Monarch	2001	2A1 / 2C1	Neoprene Based	7 to 11	112 to 176	2 to 5	14 to 34	Black	Closed Cell	UL50E Listed (Gaskets & Seals)
Monarch	2002	2A2 / 2C2	Neoprene Based	7 to 11	112 to 176	5 to 9	34 to 62	Black	Closed Cell	UL50E Listed (Gaskets & Seals)
Monarch	2045	2A5 / 2C5	Neoprene Based	15 to 23	240 to 368	17 to 25	117 to 172	Black	Closed Cell	Penn DOT Approved Source List
Monarch	2055	2A5	Neoprene Based	10 to 14	160 to 224	17 to 25	117 to 172	Black	Closed Cell	UL94 Listed (Flame)
Monarch	3043	2A3 / 2A4	100% EPDM	16 to 22	256 to 352	9 to 15	62 to 103	Black	Closed Cell	High resilience
Monarch	3091	2A1	100% EPDM	3 to 5	48 to 80	2 to 5	14 to 34	Black	Closed Cell	
Monarch	5013	2A3	EPDM/CR/SBR	7 to 11	112 to 176	9 to 13	62 to 90	Black	Closed Cell	UL50E (Gaskets & Seals) / UL94 (Flame)
Monarch	5031	2A1	EPDM/CR/SBR	4 to 8	64 to 128	2 to 5	14 to 34	Black	Closed Cell	UL50E (Gaskets & Seals) / UL94 (Flame)
Monarch	5032	2A2	EPDM/CR/SBR	4 to 8	64 to 128	5 to 9	34 to 62	Black	Closed Cell	UL50E (Gaskets & Seals) / UL94 (Flame)
Monarch	8001	2A1	100% EPDM	7 to 11	112 to 176	2 to 5	14 to 35	Black	Closed Cell	
Monarch	8002	2A2	100% EPDM	7 to 11	112 to 176	5 to 9	34 to 62	Black	Closed Cell	UL50E Listed (Gaskets & Seals)

Roll Properties

EnsoLite	ECF-400	1A0*	EPDM	4 to 8	64 to 128		6.9 max	Black	Semi Closed	* Exception to elevated temp. compression set. UL50 Listed (Gaskets & Seals)
EnsoLite	EF0	1A0*	EPDM	4 to 8	64 to 128		6.9 max	Black	Semi Closed	* Exception to elevated temp. compression set
EnsoLite	EG0	2A0	EPDM	3 to 6	64 to 128	0 to 2	0 to 13.8	Black	Closed Cell	UL50E Listed (Gaskets and Seals)
EnsoLite	IG1	2A1 / 2C1 / 2B1	NBR / PVC / CR	4 to 6	64 to 96	2 to 5	14 to 34	Black	Closed Cell	UL 94 Flame Listed
EnsoLite	IG2	2A2 / 2C2 / 2B2	NBR / PVC / CR	5.5 to 7.5	88 to 120	5 to 9	34 to 62	Black	Closed Cell	UL 94 Flame Listed
EnsoLite	IG3	2A3 / 2C3 / 2B3	NBR / PVC / CR	7 to 9.5	112 to 152	9 to 13	62 to 90	Black	Closed Cell	UL 94 Flame Listed
EnsoLite	IR41	2A1 / 2C1 / 2B1	NBR / PVC / CR	4 to 7	64 to 112	2 to 5	14 to 34	Black	Closed Cell	Density (3/8" or 9.53 mm & higher) UL50E Listed (Gaskets & Seals)
EnsoLite	IR41	2A1 / 2C1 / 2B1	NBR / PVC / CR	4 to 10	64 to 160	2 to 7	14 to 48	Black	Closed Cell	Density (1/4" or 6.35 mm & lower) UL50E Listed (Gaskets & Seals)
EnsoLite	IU0	2A1 / 2C1 / 2B1	NBR / PVC	2.5 to 5	40 to 80	2 to 5	14 to 34	Black	Closed Cell	UL 94 Flame & UL50E Listed (Gaskets & Seals)
EnsoLite	IV1	2A1 / 2C1	NBR / PVC / CR	3 to 5	48 to 80	2 to 5	14 to 34	Black	Closed Cell	UL 94 Flame & UL50E Listed (Gaskets & Seals)
EnsoLite	IV2	2A2 / 2C2 / 2B2	NBR / PVC / CR	5.5 to 7.5	88 to 120	5 to 9	34 to 62	Black	Closed Cell	UL50E Listed (Gaskets & Seals)
EnsoLite	MLC-Black	2A1 / 2C1	NBR / PVC	3.5 to 5.5	56 to 88	2 to 3.5	14 to 28	Black	Closed Cell	UL50E Listed (Gaskets & Seals)
EnsoLite	SF0	1B0*	NBR / PVC	3.5 to 5.5	56 to 88		2.8 max	Black	Semi Closed	* Exception to elevated temp. compression set

All data and technical information are based on results achieved under typical application conditions. 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. By ordering/receiving product you accept the **Armacell General Terms and Conditions of Sale** applicable in the region. Please request a copy if you have not received these.

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Gaskets | EnsoLite/Monarch | TDS | 052020 | EN-A | 5379

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 24 production plants in 16 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.



For more information, please visit:
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