



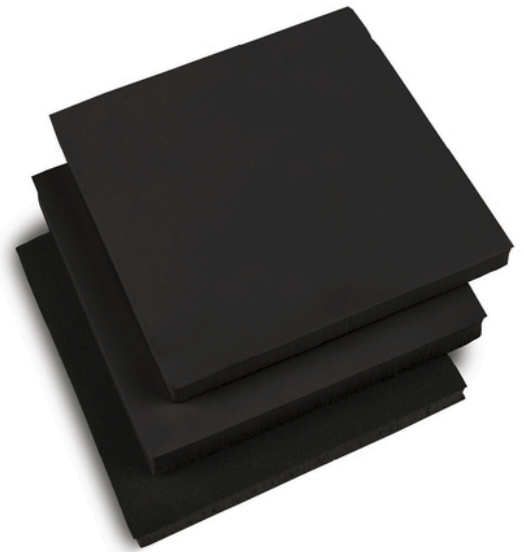
DRIVEN BY PERFORMANCE

EnsoLite FC0

Engineered semi-closed, fine cell solution for gasket and seal applications.

- // Super soft firmness
- // Good sound absorption properties
- // Superior oil and fuel resistance
- // Superior flame properties
- // Compatible with pressure sensitive adhesives

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ArmaComp[™]

TECHNICAL DATA - ENSOLITE FC0

Product color range	Black
ASTM D 1056 Designation	1A0/1C0/1B0*
ASTM D1056 Exception	*50% compression set at elevated temperature 70°C (158°F)
Cell structure	Semi-closed
Form	Roll
Polymer	NBR/PVC
Skin	S2S (Skin 2 sides)
Markets	Automotive, Industrial
Applications	Gaskets and seals, UL50 E Electrical enclosures

Property	Value / Assessment				Standard / Test method
Temperature range					
Service temperature	Min. °C	Min. °F	Max. °C (intermittent)	Max. °F (intermittent)	ASTM D1056
	-40	-40	93.3	200	
Flammability					
Flame FMVSS 302 (burn rate)	3.94 in/minute (100 mm/minute) max Passes at 0.250 in (6.35 mm) and higher				FMVSS 302
UL standards					
UL94 5VA	Passes at 6 mm (0.236 in) minimum thickness UL File # QMFZ2.E55798				UL 94
UL94 HF-1	Passes at 6 mm (0.236 in) minimum thickness UL File # QMFZ2.E55798				UL 94
UL94 V-0	Passes at 6 mm (0.236 in) minimum thickness UL File # QMFZ2.E55798				UL 94
Physical attributes					
Density	3 - 5.5 lb/ft ³ 48 - 88 kg/m ³				ASTM D1056
Mechanical properties					
Compression set	25% max				ASTM D1056
Compression set (Elevated temperature)	90% max				ASTM D1056
Tensile strength	25 psi min 172 kPa min				ASTM D412 (Die A)
Elongation	100% min				ASTM D412 (Die A)
Tear strength	4 lb/in min 0.70 kN/m min				ASTM D624 (Die C)
Fluid immersion	-25 to +10% Oil-aged 22 h at 158°F (70°C), change in volume ASTM Oil No. 3 (IRM 903)				ASTM D1056
Compression deflection					
Compression deflection 25%	0.4 psi max 2.76 kPa max				ASTM D1056
Compression deflection 50%	1.5 psi max 10.3 kPa max				ASTM D1056

Property	Value / Assessment	Standard / Test method
Change in compression deflection ¹	±20 %	ASTM D1056

UL Listed

UL gaskets and seals	UL File # JMST2.MH30018 UL50 and UL50E continuous compression applications for enclosure types: 2, 3, 3R, 3RX, 3S, 3SX, 4, 4X, 5, 6, 6P UL gaskets & seals max service temperature: 60°C (140°F)	UL 50E, UL 50
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¹ If this grade after aging still falls within the compression-deflection requirement of <2 psi (<13.8 kPa), it shall be considered acceptable even though the change from the original is greater than ±20%.

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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 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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