



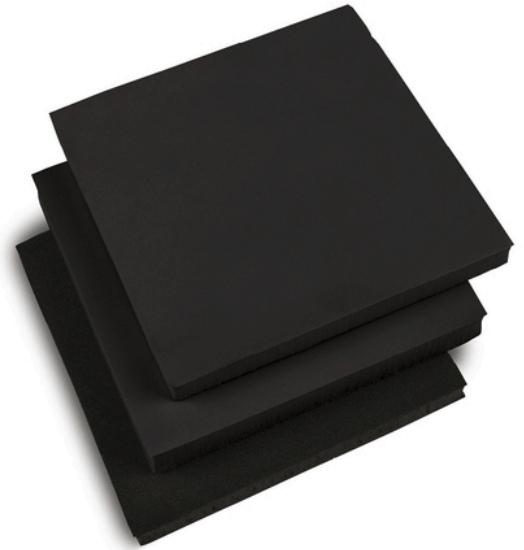
DRIVEN BY PERFORMANCE

EnsoLite EFO

Engineered semi-closed cell solution for space filling and sealing against air, dust, heat, and noise.

- // Super soft firmness
- // Good sound absorption properties
- // Excellent resistance to ozone, weather, and UV exposure
- // Broad service temperature range
- // Meets OEM specifications

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TECHNICAL DATA - ENSOLITE EFO

Brief description	EFO is an EPDM, super soft, crushed foam product produced in continuous rolls. This product meets ASTM D 1056 1A0 requirements with an exception to elevated temperature compression set. This product meets various automotive specifications and is an excellent solution for low temperature, outdoor and/or noise reduction applications.
Product color range	Black
ASTM D 1056 Designation	1A0*
ASTM D1056 Exception	*50% compression set at elevated temperature 70°C (158°F)
Cell structure	Semi-closed
Form	Roll
Polymer	EPDM
Markets	Automotive

Source	Specification	Comments
Approvals and specifications		
General Motors	GMW 17408 Class I Type I	Interior & Exterior Applications
Stellantis (FCA / Chrysler)	MSAY 430 MS.90145 Type 1	
Stellantis (FCA / Chrysler)	MSAY 550 MS.90145 Type 2	
MAHLE	GN AR 06220 [MAHLE GN AR 06346] Par 6.13	Previously Delphi SD2 207 Par 6.13

Property	Value / Assessment				Standard / Test method
Temperature range					
Service temperature	Min. °C	Min. °F	Max. °C (intermittent)	Max. °F (intermittent)	ASTM D1056
	-75	-103	121	250	
Flammability					
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
Physical attributes					
Density	4.37 - 6.24 lb/ft ³ 70 - 100 kg/m ³				ASTM D1056
Mechanical properties					
Compression set	9% max				ASTM D1056
Compression set (Elevated temperature)	85% max				ASTM D1056
Tensile strength	16 psi min 110 kPa min				ASTM D412 (Die A)
Elongation	150% min				ASTM D412 (Die A)
Tear strength	4.85 lb/in min 0.85 kN/m min				ASTM D624 (Die C)
Compression deflection					
Compression deflection 25%	0.80 psi max 5.51 kPa max				ASTM D1056
Compression deflection 50%	1.20 psi max 8.27 kPa max				ASTM D1056

Property	Value / Assessment	Standard / Test method
Compression deflection 50% - 60 sec hold	0.725 psi max 5.0 kPa max	ISO 3386-1
Change in compression deflection	±20 %	ASTM D1056

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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 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.

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