EnsoLite® EGO

Closed cell EPDM foam in continuous rolls / sheets form

// ASTM D 1056 2A0/2A1
// Manufactured in continuous rolls / sheets
// Added flame retardant
// UL Listed: UL50, UL50 E & UL508 (gaskets and seals)
// Listed on the approved source list for GMW 17408 Class I Type III
   (with exceptions see Note 1)

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ENSOLITE EG0 | Closed cell EPDM foam in continuous rolls / sheets form

EnsoLite EG0: Armacell (Mebane, NC Plant) manufactures a black, 4 - 6 lb./ft³ (64 - 96 kg/m³) density, continuous (rolls / sheets) EPDM based closed cell product EG0. EG0 meets the physical property requirements of ASTM D 1056 2A0/2A1. EG0 contains a flame retardant and meets the horizontal burn / flame requirements of FMVSS 302 at 0.1875" (4.76 mm) and higher. EG0 has excellent resistance to ozone, low & elevated temperatures. EG0 is listed with UL to UL50, UL50E [continuous compression / enclosure types: 2, 3, 3R, 3S, 3X, 3RX, 3SX, 4, 4X, 5, 6, and 6P] & UL508 (UL File #: JMLU2.MH25062). **EG0 is listed as an approved source for GMW 17408 Class I Type III.**

TECHNICAL DATA SHEET | ROLLS/SHEETS (effective 12/12/2022)

POLYMER: EPDM

Physical Property		Test Method	Unit	Value
ASTM D 1056 Designation		–	–	2A0/2A1
Cell Structure		–	–	Closed
Color		–	–	Black
Compression Deflection 25%		ASTM D 1056	psi kPa	3 max 20.7 max
Compression Deflection 50%, 60 second hold		ISO 3386-1	psi kPa	3 - 7 21.01 - 48
Compression Deflection 25%, after Heat Aging		ASTM D 1056	%	±30
Compression Set (Room temp)		ASTM D 1056	%	55 max
Density		ASTM D 1056	lb/ft³ kg/m³	4 - 6 64 - 96
Elongation		ASTM D 412 (Die A)	%	175 min
Flammability		FMVSS 302	in mm	0.1875 and higher 4.76 and higher
Service Temperature	Low	ASTM D 1056	°F °C	-70 -56.6
	High Intermittent	_	°F °C	250 121
Tear Strength		ASTM D 624 (Die C)	lb/in kN/m	10 min 1.75 min
Tensile Strength		ASTM D 412 (Die A)	psi kPa	25 min 172 min
Water Absorption		ASTM D 1056	%	10 max

Note 1: On approved source list for GMW 17408 Class I Type III with exceptions to compression set @ 70°C (158°F) & fogging. Applications: Interior, exterior & under hood applications

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 26 production plants in 18 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.

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