

INDUSTRIAL STRENGTH

EnsoLite[®] FBC

Closed cell PVC/NBR foam in continuous rolls/sheets form

// ASTM D 1056 2A1/2C1

// Manufactured in continuous rolls/sheets

// Listed on the approved source list for Caterpillar 1E0707 C, Lockheed Martin
P 5019 -4-XA & FCA (Chrysler) MSAY 516 Type 1

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 **armacell**[®]
ArmaComp[™]

ENSOLITE FBC | Closed cell PVC/NBR foam in continuous rolls/sheets form

EnsoLite FBC: Armacell (Conover, NC Plant) manufactures a black, continuous (sheets/rolls), closed cell, light density 4.5 - 6.5 lb/ft³ (72 - 104 kg/m³) PVC/NBR rubber product FBC, that meets the requirements of ASTM D 1056 2A1/2C1. FBC has good resistance to oil and fuel. FBC meets the requirements of FMVSS 302 at 0.250" (1/4") (6.35 mm) & higher. **FBC is on the approved source list for Caterpillar 1E0707 C, Lockheed Martin P 5019 -4-XA & FCA (Chrysler) MSAY 516 Type 1.**

TECHNICAL DATA SHEET | ROLLS/SHEETS (effective 30MAR21)

POLYMER: NBR/PVC

Physical Property	Test Method	Unit	Value	
ASTM D 1056 Designation	-	-	2A1/2C1	
Cell Structure	-	-	Closed	
Color	-	-	Black	
Compression Deflection 25%	ASTM D 1056	psi kPa	2 - 5 13.8 - 34.5	
Compression Deflection 25%, after Heat Aging	ASTM D 1056	%	± 30	
Compression Set (Room temp)	ASTM D 1056	%	30 max	
Density	ASTM D 1056	lb/ft ³ kg/m ³	4.5 - 6.5 70 - 104	
Elongation	ASTM D 412 (Die A)	%	175 min	
Flammability	FMVSS 302	in mm	0.25 and higher 6.35 and higher	
Fluid Immersion	ASTM D 1056	%	250 max	
Hardness, Durometer Shore 00	ASTM D 2240	-	20 - 40	
Service Temperature	Low	ASTM D 1056	°F °C	-10 14
		High Intermittent	°F °C	200 93.3
Tear Strength	ASTM D 624 (Die C)	lb/in	12 min	
		kN/m	2.1 min	
Tensile Strength	ASTM D 412 (Die A)	psi kPa	65 min 448 min	
Water Absorption	ASTM D 1056	%	5 max	

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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 3,200 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.

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