

INDUSTRIAL STRENGTH

EnsoLite[®] LCS

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

// ASTM D 1056 2A4/2C4

// Manufactured in continuous rolls/sheets

// Oil and fuel resistant

// Color gray or natural

// Excellent compression set characteristics

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 **armacell**[®]
ArmaComp[®]

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

EnsoLite LCS: Armacell (Conover, NC Plant) manufactures a gray or natural colored, continuous (rolls/sheets), closed cell, medium to high density 10 - 15 lb/ft³ (160 - 240 kg/m³) PVC/NBR rubber product LCS, that meets the requirements of ASTM D 1056 2A4/2C4. LCS has good resistance to oil and fuel and has good compression set characteristics. LCS meets the horizontal burn/flame requirements of FMVSS 302 at 0.250" (1/4") (6.35 mm) & higher.

TECHNICAL DATA SHEET | ROLLS/SHEETS (effective 29MAR21)

POLYMER: PVC/NBR

Physical Property	Test Method	Unit	Value	
ASTM D 1056 Designation	-	-	2A4/2C4	
Cell Structure	-	-	Closed	
Color	-	-	Gray or Natural	
Compression Deflection 25%	ASTM D 1056	psi kPa	13 - 17 90 - 117	
Compression Deflection 25%, after Heat Aging	ASTM D 1056	%	± 30	
Compression Set (Room temp)	ASTM D 1056	%	12 max	
Density	ASTM D 1056	lb/ft ³ kg/m ³	10 - 15 160 - 240	
Elongation	ASTM D 412 (Die A)	%	125 min	
Flammability	FMVSS 302	in mm	0.25 and higher 6.35 and higher	
Fluid Immersion	ASTM D 1056	%	150 max	
Hardness, Durometer Shore 00	ASTM D 2240	-	65 - 85	
Service Temperature	Low	ASTM D 1056	°F °C	-40 -40
	High Intermittent	-	°F °C	200 93.3
Tear Strength	ASTM D 624 (Die C)	lb/in	40 min	
		kN/m	7 min	
Tensile Strength	ASTM D 412 (Die A)	psi	150 min	
		kPa	1034 min	
Water Absorption	ASTM D 1056	%	5 max	

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EnsoLite LCS | DataSheet | 032021 | NA | EN-A

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 3,135 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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