

DRIVEN BY PERFORMANCE

EnsoLite[®] ICF-400

Semi-closed cell PVC/NBR foam in continuous rolls/sheets form

// ASTM D 1056 1A0 (See description on page 2)

// Manufactured in continuous rolls/sheets

// UL Listed: UL50 (gaskets and seals)

// UL Listed: UL94 HF-1

// Listed on the approved source list for FCA (Chrysler) MSAY 522 Type 1

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 **armacell**[®]
ArmaComp[™]

ENSOLITE ICF-400 | Semi-closed cell PVC/NBR foam in continuous rolls/sheets form

Ensolite ICF-400: Armacell (Conover, NC Plant) manufactures a black, very soft, semi-closed cell, crushed, PVC/NBR, 2.5 - 4.5 lb/ft³ (40 - 72 kg/m³) density product ICF-400, that has typical 25% compression deflection values of 0.4 psi (2.75 kPa) max. ICF-400 can be graded as an ASTM D 1056 1A0 cellular product with one exception to the basic requirements (compression set at elevated temperature). ICF-400 meets the horizontal burn/flame requirements of FMVSS 302 at most thicknesses. ICF-400 is UL listed to UL94 HF-1 at 0.141" (3.6 mm) and higher (UL File #: QMFZ2.E55798). ICF-400 is listed with UL to UL50 (Gasket & seals) [UL File #: JMST2.MH10189]. **ICF-400 is listed as an approved source for FCA (Chrysler) MSAY 522 Type 1.**

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

POLYMER: PVC/NBR

Physical Property	Test Method	Unit	Value	
ASTM D 1056 Designation	-	-	1A0	
Cell Structure	-	-	Semi Closed	
Color	-	-	Black	
Compression Deflection 25%	ASTM D 1056	psi kPa	0 - 0.4 0 - 2.8	
Compression Deflection 25%, after Heat Aging	ASTM D 1056	%	± 20	
Compression Set [70°C [158°F]]	ASTM D 1056	%	90 max	
Density	ASTM D 1056	lb/ft ³ kg/m ³	2.5 - 4.5 40 - 72	
Elongation	ASTM D 412 (Die A)	%	120 min	
Flammability	FMVSS 302	in mm	0.25 and higher 6.35 and higher	
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 kN/m	3 min 0.5 min	
Tensile Strength	ASTM D 412 (Die A)	psi	15 min	
		kPa	103 min	

UL Listed to: UL94 (Flame) HF-1 (UL file# QMFZ2.E55798) at 3.6 mm minimum thickness

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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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