

DRIVEN BY PERFORMANCE

EnsoLite[®] IV2

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

// ASTM D 1056 2A2/2C2/2B2

// Manufactured in continuous rolls / sheets

// UL Listed: UL94 HF-1 & V-0

// UL Listed UL50E (gaskets & seals)

// Listed on the approved source list for Stellantis (FCA / Chrysler) MSAY 516 Type 2
and GMW 17408 Class I Type IV.

www.armacell.us



 **armacell**[®]
ArmaComp[™]

ENSOLITE IV2 | Closed cell PVC/NBR/CR foam in continuous rolls / sheets form

EnsoLite IV2: Armacell (Conover, NC Plant) manufactures a black, continuous, closed cell, medium density (5.5 - 7.5 lb/ft³) (88 - 120 kg m³) PVC/NBR/CR rubber product IV2, that meets the physical property requirements of ASTM D 1056 2A2 / 2C2 / 2B2. IV2 has excellent resistance to oil and fuel. IV2 meets the horizontal burn / flame requirements of FMVSS 302 at 0.125" (1/8") (3.18 mm) & higher. IV2 is listed to UL94 HF-1 at 1.1 mm (0.043") and higher and UL94 V-0 at 11.7 mm (0.461") and higher (UL File # QMFZ2.E55798). IV2 is listed with UL to UL50E [periodic & continuous compression] (UL File # JMST2.MH10189). **IV2 is listed on the approved source list for Stellantis (FCA / Chrysler) MSAY 516 Type 2 and GMW 17408 Class I Type IV.**

TECHNICAL DATA SHEET | ROLLS/SHEETS (effective 7/19/2022)

POLYMER: PVC/NBR/CR

Physical Property	Test Method	Unit	Value
ASTM D 1056 Designation	-	-	2A2 / 2C2 / 2B2
Cell Structure	-	-	Closed
Color	-	-	Black
Compression Deflection 25%	ASTM D 1056	psi kPa	5 - 9 34.5 - 62.1
Compression Deflection 25%, after Heat Aging	ASTM D 1056	%	± 30
Compression Deflection 50%, 60 second hold	ISO 3386-1	psi kPa	6.96 - 14.07 48.01 - 97
Compression Set (Room temp)	ASTM D 1056	%	35 max
Density	ASTM D 1056	lb/ft ³ kg/m ³	5.5 - 7.5 88.1 - 120.1
Elongation	ASTM D 412 (Die A)	%	100 min
Flammability	FMVSS 302	in mm	0.125 and higher 3.18 and higher
Fluid Immersion	ASTM D 1056	%	100 max
Hardness, Durometer Shore 00	ASTM D 2240	-	45 - 65
Resilience	ASTM D 2632	-	15 - 35
Service Temperature	Low	ASTM D 1056	°F °C
	High Intermittent	-	°F °C
Tear Strength	ASTM D 624 (Die C)	lb/in kN/m	12 min 2.1 min
Tensile Strength	ASTM D 412 (Die A)	psi kPa	75 min 517 min
Water Absorption	ASTM D 1056	%	5 max

UL Listed to UL94 (Flame) HF-1 (UL file# QMFZ2.E55798) at 1.1 mm minimum thickness

UL Listed to UL94 (Flame) V-0 (UL file# QMFZ2.E55798) at 11.7 mm minimum thickness

All data and technical information are based on results achieved under the specific conditions defined according to the testing standards referenced. Despite taking every precaution to ensure that said data and technical information are up to date, Armacell does not make any representation or warranty, express or implied, as to the accuracy, content or completeness of said data and technical information. Armacell also does not assume any liability towards any person resulting from the use of said data or technical information. Armacell reserves the right to revoke, modify or amend this document at any moment. It is the customer's responsibility to verify if the product is suitable for the intended application. The responsibility for professional and correct installation and compliance with relevant building regulations lies with the customer. This document does not constitute nor is part of a legal offer to sell or to contract.

At Armacell, your trust means everything to us, so we want to let you know your rights and make it easier for you to understand what information we collect and why we collect it. If you would like to find out about our processing of your data, please visit our [Data Protection Policy](#).

© Armacell, 2022. All rights reserved. Trademarks followed by © or TM are trademarks of the Armacell Group.
EnsoLite IV2 | DataSheet | 122022 | 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 3,100 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.

For more information, please visit:

www.armacell.us

info.cf.us@armacell.com

800-973-0490

