

DRIVEN BY PERFORMANCE

EnsoLite[®] IVC

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

// ASTM D 1056 2A1/2A2 / 2C1/2C2

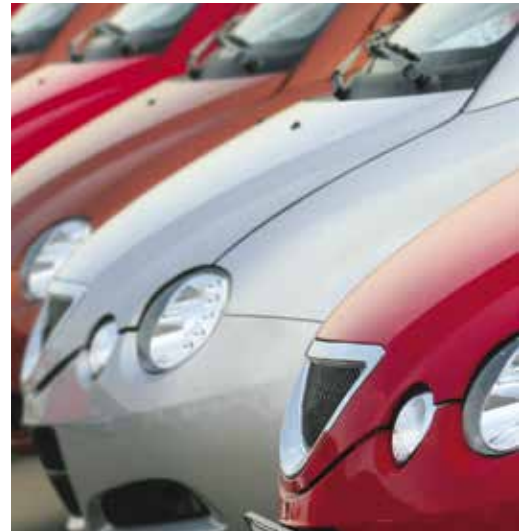
// Manufactured in continuous rolls/sheets

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

// UL Listed: UL50E (gaskets and seals)

// Listed on the approved source list for GMW 17408 Class IIIA Type IV

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 **armacell**[®]
ArmaComp[®]

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

EnsoLite IVC: Armacell (Conover, NC Plant) manufactures a black, continuous (rolls/sheets) closed cell, 4.5 - 5.5 lb/ft³ [72 - 88 kg/m³] density, PVC/NBR/CR rubber product IVC, that meets the requirements of ASTM D 1056 2A1/2A2 / 2C1/2C2. IVC has good resistance to oil & fuel. IVC meets the requirements of FMVSS 302 at 0.250" (1/4") [6.35 mm] & higher. IVC is UL listed to UL94 HF-1 at 2.8 mm (0.110") & higher and UL94 V-0 @ 11.8 mm (0.464") & higher (UL File# QMFZ2.E55798). IVC is listed with UL to UL50E [periodic & continuous compression] (UL File # JMST2.MH10189). **IVC is listed as an approved source for GMW 17408 Class IIIA Type IV.**

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

POLYMER: PVC/NBR/CR

| Physical Property | Test Method | Unit | Value | |
|--|--------------------|---|------------------------------------|-------------|
| ASTM D 1056 Designation | - | - | 2A1/2A2 / 2C1/2C2 | |
| Cell Structure | - | - | Closed | |
| Color | - | - | Black | |
| Compression Deflection 25% | ASTM D 1056 | psi kPa | 4 - 6 28 - 41 | |
| Compression Deflection 25%, after Heat Aging | ASTM D 1056 | % | ± 30 | |
| Compression Set (Room temp) | ASTM D 1056 | % | 40 max | |
| Density | ASTM D 1056 | lb/ft ³ kg/m ³ | 4 - 5.5 64 - 88 | |
| Elongation | ASTM D 412 (Die A) | % | 100 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 | - | 35 - 55 | |
| 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 | 7 min | |
| | | kN/m | 1.2 min | |
| Tensile Strength | ASTM D 412 (Die A) | psi | 50 min | |
| | | kPa | 345 min | |
| Water Absorption | ASTM D 1056 | % | 5 max | |

UL Listed to: UL94 (Flame) HF-1 (UL file# QMFZ2.E55798) at 2.8 mm minimum thickness
 UL Listed to: UL94 (Flame) V-0 (UL file# QMFZ2.E55798) at 11.8 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.

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 EnsoLite IVC | 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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