

DRIVEN BY PERFORMANCE

EnsoLite[®] CGC

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

// ASTM D 1056 2A1/2C1

// Manufactured in continuous rolls/sheets

// Color gray

// UL Listed: UL94 HF-1

www.armacell.us



 **armacell**[®]
ArmaComp[®]

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

EnsoLite CGC: Armacell (Conover, NC Plant) manufactures a gray, continuous (rolls/sheets), closed cell, light density 2.5 - 4.5 lb/ft³ (40 - 72 kg/m³) PVC/NBR product CGC, that meets the requirements of ASTM D 1056 2A1/2C1. CGC has good resistance to oil and fuel. CGC is UL listed to UL94 HF-1 @ 3.1 mm & higher (UL File# QMFZ2.E55798).

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

POLYMER: PVC/NBR

| Physical Property | Test Method | Unit | Value | |
|--|--------------------|---|------------------------------------|------------|
| ASTM D 1056 Designation | - | - | 2A1/2C1 | |
| Cell Structure | - | - | Closed | |
| Color | - | - | Gray | |
| Compression Deflection 25% | ASTM D 1056 | psi kPa | 2 - 4 14 - 28 | |
| 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 | 2.5 - 4.5 40 - 72 | |
| 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 | - | 15 - 35 | |
| Service Temperature | Low | ASTM D 1056 | °F °C | -40 -40 |
| | | High Intermittent | - | °F °C |
| Tear Strength | ASTM D 624 (Die C) | lb/in kN/m | 8 min 1.4 min | |
| Tensile Strength | ASTM D 412 (Die A) | psi kPa | 30 min 207 min | |
| Water Absorption | ASTM D 1056 | % | 10 max | |

UL Listed to: UL94 (Flame) HF-1 (UL file# QMFZ2.E55798) at 3.1 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, 2021. All rights reserved. Trademarks followed by © or TM are trademarks of the Armacell Group.
EnsoLite CGC | 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.

For more information, please visit:

www.armacell.us

info.cf.us@armacell.com

800-973-0490

