

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

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 **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

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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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