

FLOTATION SOLUTIONS

ArmaSport[®] MKC

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

// ASTM D 1056 2A0/2A1 / 2C0/2C1

// Manufactured in continuous rolls/sheets

// Color natural/beige

// UL Listed: UL94 HBF & HF-1

// UL Listed for flotation (Lifesaving Equipment – Marine)

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 **armacell**[®]
ArmaComp[™]

ARMASPORT MKC | Closed cell PVC/NBR foam in continuous rolls/sheets form

ArmaSport MKC: Armacell (Conover, NC Plant) manufactures a natural/beige color, continuous (sheets/rolls), closed cell, 3.0 - 4.5 lb/ft³ (48 - 72 kg/m³) density, NBR/PVC rubber product MKC, that meets the requirements of ASTM D 1056 2A0/2A1 / 2C0/2C1. MKC meets the burn rate requirements of FMVSS 302 at 0.250" (1/4") (6.35 mm) & higher. MKC is listed with UL and meets the flame resistance requirements of UL94 HBF at 7.5 mm (0.295") and UL94 HF-1 at 3.0 - 7.5 mm (UL File # QMFZ2.E55798). MKC is listed with UL for flotation use (UL File # OPET2.MQ1977 - Lifesaving Equipment - Marine).

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

POLYMER: PVC/NBR

| Physical Property | Test Method | Unit | Value |
|--|--------------------|---|------------------------------------|
| ASTM D 1056 Designation | - | - | 2A0/2A1 / 2C0/2C1 |
| Cell Structure | - | - | Closed |
| Color | - | - | Natural/Beige |
| Compression Deflection 25% | ASTM D 1056 | psi kPa | 1.5 - 3.5 10 - 24 |
| Compression Deflection 25%, after Heat Aging | ASTM D 1056 | % | ± 30 |
| Compression Set (Room temp) | ASTM D 1056 | % | 30 max |
| Density | ASTM D 1056 | lb/ft ³ kg/m ³ | 3 - 4.5 48 - 72 |
| Elongation | ASTM D 412 (Die A) | % | 150 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 | 0 |
| | | | °C -17.8 |
| | High Intermittent | | 200 |
| | | | °C 93.3 |
| Tear Strength | ASTM D 624 (Die C) | lb/in | 9 min |
| | | kN/m | 1.6 min |
| Tensile Strength | ASTM D 412 (Die A) | psi | 40 min |
| | | kPa | 276 min |
| Water Absorption | ASTM D 1056 | % | 10 max |

UL Listed to UL94 (Flame) HBF (UL file# QMFZ2.E55798) at 7.5 mm minimum thickness

UL Listed to UL94 (Flame) HF-1 (UL file# QMFZ2.E55798) at 3 - 7.5 mm only

UL Listed to UL 1191 for flotation use (UL File # OPET2.MQ1977 - Lifesaving Equipment - Marine). See Info Sheet for more information.

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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ArmaSport MKC | DataSheet | 042021 | 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 3,200 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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