

FIRST CLASS INNOVATION

ArmaSport[®] ALC

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

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

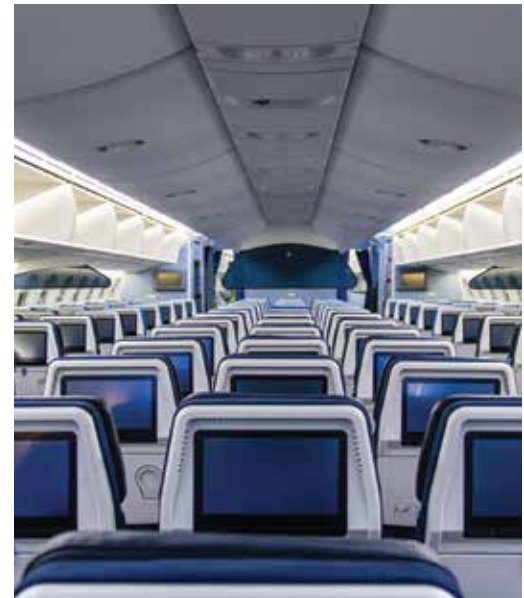
// Manufactured in continuous rolls/sheets

// Color natural/beige

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

// Listed on the approved source list for Northrop Grumman GP105K
& Lockheed Martin P 5019 -1-XA & -5-XA.

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 **armacell**[®]
ArmaComp[™]

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

ArmaSport ALC: Armacell (Conover, NC Plant) manufactures a continuous (sheets/rolls), closed cell, natural/beige color, 6.0 - 8.5 lb/ft³ (96 - 136 kg/m³) density, PVC/NBR rubber product ALC. ALC has 25% compression deflection values of 4 - 6 psi. ALC meets the requirements of ASTM D 1056 2A1/2A2 / 2C1/2C2 product and has good resistance to oil and fuel. ALC is UL listed to: UL94 HF-1 @ 1/8" and UL 94 V-0 @ 1/2" (UL File # QMFZ2.E55798). ALC meets the horizontal burn/flame requirements of FMVSS 302 at 0.125" (1/8") (3.18 mm) & higher. **ALC is listed as an approved source for Northrop Grumman GP105K & Lockheed Martin P 5019 -1-XA & -5-XA.**

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

POLYMER: PVC/NBR

Physical Property	Test Method	Unit	Value	
ASTM D 1056 Designation	-	-	2A1/2A2 / 2C1/2C2	
Cell Structure	-	-	Closed	
Color	-	-	Natural/Beige	
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	%	25 max	
Density	ASTM D 1056	lb/ft ³ kg/m ³	6 - 8.5 96 - 136	
Elongation	ASTM D 412 (Die A)	%	150 min	
Flammability	FMVSS 302	in mm	0.125 and higher 3.18 and higher	
Fluid Immersion	ASTM D 1056	%	250 max	
Hardness, Durometer Shore 00	ASTM D 2240	-	35 - 55	
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	21 min	
		kN/m	3.7 min	
Tensile Strength	ASTM D 412 (Die A)	psi	90 min	
		kPa	621 min	
Water Absorption	ASTM D 1056	%	5 max	

UL Listed to UL94 (Flame) HF-1 (UL file# QMFZ2.E55798) at 3.0 mm minimum thickness (S1S & no skin)

UL Listed to UL94 (Flame) V-0 (UL file# QMFZ2.E55798) at 6.0 mm minimum thickness (S1S) 11.9 mm minimum thickness (no skin)

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 ALC | 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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