



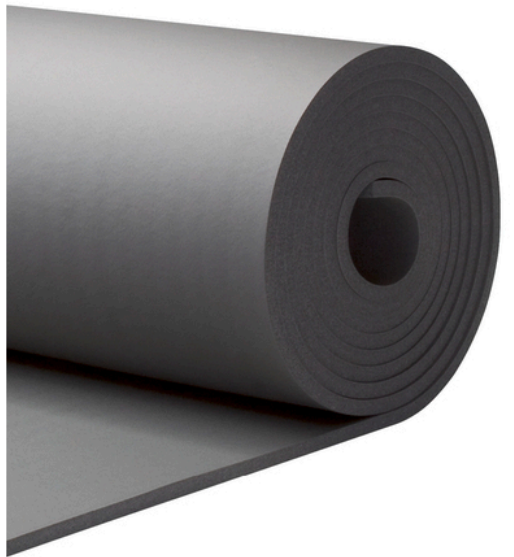
FIRST CLASS INNOVATION

ArmaSport AHC

Engineered to meet stringent aerospace requirements for passenger comfort.

- // Medium firmness
- // Excellent energy absorption
- // Superior flame performance
- // Excellent oil and fuel resistance
- // Meets OEM specifications

www.armacell.com



 **armacell**[®]
MAKING A DIFFERENCE AROUND THE WORLD

TECHNICAL DATA - ARMASPORT AHC

Product color range	Gray
ASTM D 1056 Designation	2A2/2C2/2B2
Cell structure	Closed
Form	Roll
Polymer	NBR/PVC
Markets	Aerospace
Applications	Pad/cushion

Property	Value / Assessment				Standard / Test method
Temperature range					
Service temperature	Min. °C	Min. °F	Max. °C (intermittent)	Max. °F (intermittent)	ASTM D1056
	-17.8	0.0	93.3	200	
Flammability					
Flame FMVSS 302 (burn rate)	3.94 in/minute (100 mm/minute) max Passes at 0.125 in (3.18 mm) and higher				FMVSS 302
Vertical flammability test for aircraft interior plastics (12 seconds)	Passes at 0.250 in (6.35 mm) and higher				FAR 25.853
UL standards					
UL94 HBF	Passes at 6.1 mm (0.240 in) minimum thickness (without skin) UL File # QMFZ2.E55798 & # QMFZ8.E55798				UL 94
UL94 HF-1	Passes at 3.0 mm (0.118 in) - 6.1 mm (0.240 in) only (without skin) Passes at 3.0 mm (0.118 in) minimum thickness (skin 1 side) UL File # QMFZ2.E55798 & # QMFZ8.E55798				UL 94
UL94 V-0	Passes at 12.1 mm (0.476 in) minimum thickness (without skin) Passes at 12.4 mm (0.488 in) minimum thickness (skin 1 side) UL File # QMFZ2.E55798 & # QMFZ8.E55798				UL 94
Resistance to water					
Water absorption by vacuum	10% max				ASTM D1056
Physical attributes					
Density	6.5 - 8.5 lb/ft ³ 104 - 136 kg/m ³				ASTM D1056
Mechanical properties					
Compression set	30% max				ASTM D1056
Tensile strength	90 psi min 621 kPa min				ASTM D412 (Die A)
Elongation	100% min				ASTM D412 (Die A)
Tear strength	22 lb/in min 3.8 kN/m min				ASTM D624 (Die C)
Hardness durometer shore 00	60 - 80				ASTM D2240
Fluid immersion	100% max				ASTM D1056

Property	Value / Assessment	Standard / Test method
Compression deflection		
Compression deflection 25%	7 - 9 psi 48 - 62 kPa	ASTM D1056
Change in compression deflection	±30 %	ASTM D1056

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.

Trademarks followed by © or TM are trademarks of the Armacell Group. © Armacell, 2023. All rights reserved.

ArmaComp | ArmaSport AHC | TDS | 052024 | en-US

ABOUT ARMACELL

As the inventor of flexible foam for equipment insulation and a leading provider of engineered foams, Armacell develops innovative and safe thermal 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 more than 3,300 employees and 25 production plants in 19 countries, the company operates two main businesses, Advanced Insulation and Engineered Foams. Armacell focuses on insulation materials for technical equipment, high-performance foams for acoustic and lightweight applications, recycled PET products, next-generation aerogel technology and passive fire protection systems.

For more information, please visit:
www.armacell.com

