



## FLOTATION SOLUTION

# ArmaSport MLO

Engineered to meet buoyancy requirements for UL listed personal flotation devices or aquatic recreation.

- // Soft firmness
- // Low water absorption
- // Excellent candidate for vinyl coating

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 **armacell**<sup>®</sup>  
ArmaComp<sup>™</sup>

## TECHNICAL DATA - ARMASPORT MLO

Brief description	Suitable applications include vinyl dipped swim vest, flotation support belts, float pads, and noodles
Product color range	Natural
ASTM D 1056 Designation	2A0/2A1 / 2C0/2C1
Cell structure	Closed
Form	Sheet, Roll
Polymer	NBR/PVC
Markets	Sports and leisure
Applications	Flotation (Leisure), Flotation (Personal)

Property	Value / Assessment	Comments
<b>Approvals and specifications</b>		
Phthalate	CPSIA/CPSC	Compliant

Property	Value / Assessment				Standard / Test method
<b>Temperature range</b>					
Service temperature	Min. °C	Min. °F	Max. °C (intermittent)	Max. °F (intermittent)	ASTM D1056
	-17.8	0.0	93.3	200	
<b>Flammability</b>					
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
<b>Resistance to water</b>					
Water absorption by vacuum	7% max				ASTM D1056
<b>Physical attributes</b>					
Density	2.5 - 4.5 lb/ft <sup>3</sup> 40.1 - 72.1 kg/m <sup>3</sup>				ASTM D1056
<b>Mechanical properties</b>					
Compression set	35% max				ASTM D1056
Tensile strength	40 psi min 276 kPa min				ASTM D412 (Die A)
Elongation	125% min				ASTM D412 (Die A)
Tear strength	6 lb/in min 1 kN/m min				ASTM D624 (Die C)
Hardness durometer shore 00	20 - 40				ASTM D2240
Fluid immersion	250% max				ASTM D1056
<b>Compression deflection</b>					
Compression deflection 25%	1.5 - 3.5 psi 10.3 - 24.1 kPa				ASTM D1056
Change in compression deflection	±30 %				ASTM D1056

Property	Value / Assessment	Standard / Test method
<b>UL Listed</b>		
UL flotation 1191 buoyancy rating	UL Listed for flotation use UL File #0PET2.MQ1977 Lifesaving Equipment - Marine Contact the CF Technical Team at <a href="mailto:cf.tech.amer@armacell.com">cf.tech.amer@armacell.com</a> for more information.	UL 1191

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## ABOUT ARMACELL

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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 27 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](http://www.armacell.com)

