



LOW DENSITY FOAM CORE

# ArmaPET<sup>®</sup> Struct GR55

Ideally combines stiffness and strength with low weight to support weight sensitive sandwich construction.

- // Minimal fluctuation in product properties increases process stability
- // Excellent thermal and dimensional stability facilitates repeatability in production
- // 100% recycled material supports industry environmental and sustainability directives

[www.armacell-core-foams.com](http://www.armacell-core-foams.com)



 **armacell**<sup>®</sup>  
ArmaPET<sup>®</sup>

# TECHNICAL DATA

Preliminary Nominal Values

<b>Density</b>	<b>ISO 845</b>	kg/m <sup>3</sup>	55 <sup>1)</sup>	lb/ft <sup>3</sup>	3.4 <sup>1)</sup>
<b>Compression Strength</b>	<b>ISO 844</b>	MPa	0,5	psi	75
<b>Compression Modulus</b>	<b>ISO 844</b>	MPa	65	psi	9'425
<b>Shear Strength <sup>2)</sup></b>	<b>ISO 1922</b>	MPa	0,35	psi	50
<b>Shear Modulus <sup>2)</sup></b>	<b>ISO 1922</b>	MPa	9	psi	1'305
<b>Shear Strain <sup>2)</sup></b>	<b>ISO 1922</b>	%	17	%	17
<b>Tensile Strength</b>	<b>ASTM C 297</b>	MPa	1,3	psi	190
<b>Tensile Modulus</b>	<b>ASTM C 297</b>	MPa	40	psi	5'800
<b>Reaction to Fire <sup>3)</sup></b>	<b>EN 13501-1</b>	Class	E	Class	E

## DIMENSIONS & TOLERANCES

<b>Length</b>	mm	2448	+/- 5	inch	96.38	+/- 0.2
<b>Width</b>	mm	1008	+/- 5	inch	39.68	+/- 0.2
		1220			48.03	
<b>Thickness</b>	mm	25 to 200 <sup>4)</sup> ≤ 100: +/- 0.5 ≥ 100: +/- 1		inch	0.98 to 7.87 ≤ 3.94: +/- 0.02 ≥ 3.94: +/- 0.04	

<sup>1)</sup> +8/-5 kg/m<sup>3</sup>  
+0.5/-0.3 lb/ft<sup>3</sup>

<sup>2)</sup> // direction (parallel to the weld)

<sup>3)</sup> Tested according to EN ISO 11925-2 at a thickness of 25 mm / 0.98 inch.

<sup>4)</sup> Thickness in Suzhou plant is 5-150 mm.

All values are average production figures. Minimum values on request. Our products are CFC / HFC free. Physical properties are not affected by variances in colour. Customs tariff code: 39.21.19.00

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.