

ArmaFORM PET/W AC: structural foam core

Polyethylene Therephthalate (Welded)

			AC60 *	AC80	AC100	AC115	AC135	AC150	AC200
Density	ISO 845	kg/m ³	60 ⁽¹⁾	80 ⁽¹⁾	100 ⁽¹⁾	115 ⁽¹⁾	135 ⁽¹⁾	150 ⁽¹⁾	200 ⁽¹⁾
Compression Strength	ASTM D 1621 b	MPa	0,7	1,0	1,5	1,8	2,3	2,6	3,6
Compression Modulus	ASTM D 1621 b	MPa	55	75	105	120	150	180	220
	ISO 844	MPa	35	60	70	80	90	105	157
Shear Strength	ISO 1922	MPa	0,5	0,6	0,9	1,0	1,3	1,4	1,8
Shear Modulus	ISO 1922	MPa	11	20	25	30	35	45	50
Shear Strain	ISO 1922	%	25	35	30	20	15	10	5
Tensile Strength	ASTM C 297	MPa	1,6	2,1	2,4	2,7	3	3,4	4,4
Tensile Modulus	ASTM C 297	MPa	60	75	105	120	150	190	230
Thermal Conductivity	ISO 12667	W/mK	0,034	0,034	0,034	0,035	0,037	0,041	0,043

Fire, Smoke & Toxicity ⁽²⁾

B2	EN ISO 11925:2	tbd	B2	B2	B2	B2	B2	B2
FMVSS	ISO 3795	tbd	Passed	Passed	Passed	Passed	Passed	Passed
UL	UL 94	tbd	HBF	HBF	HBF	HBF	HBF	HBF

Tolerances

	Length	Width	Diagonal	Thickness
Dimensions (mm) ⁽³⁾	2.448	1.005	tbc ⁽⁴⁾	AC80-AC200: 5–150mm AC60: 10-150 mm
Tolerances (mm) at room temperature	+/- 5	+/- 5	≤ 4	≤ 100mm: AC80-AC200 +/- 0,5 AC60: +/- 0,7 ≥ 100mm: +/- 1

* preliminary data (April 2013)

⁽¹⁾ Tolerances AC80-AC200: +/- 5 kg/m³; AC60: -5/+10 kg/m³
⁽²⁾ For detailed test results and certificates please contact us.

⁽³⁾ Standard dimension. Further dimensions on special request.

⁽⁴⁾ Depending on length and width combination.

All values are average production figures. Minimum values on request.



Armacell provides this information as a technical service. To the extent the information is derived from sources other than Armacell, Armacell is substantially, if not wholly, relying upon the other source(s) to provide accurate information. Information provided as a result of Armacell's own technical analysis and testing is accurate to the extent of our knowledge and ability, using effective standardized methods and procedures. Each user of these products, or information, should perform their own tests to determine the safety, fitness and suitability of these products, or combination of products, for any foreseeable purposes, applications and uses by the user and by any third party to which the user may convey the products. Since Armacell cannot control the end of this product, Armacell does not guarantee that the user will obtain the same results as published in this document. The data and information is provided as technical service, and the data and information are subject to change without notice.

Armacell Benelux S.A.

Rue des Trois Entités 9 - B-4890 Thimister-Clermont

Tel.: +32 (0) 87 32 50 70 - Fax: +32 (0) 87 32 50 71

info.armaform@armacell.com - www.armacell-foam-cores.com

