

ArmaFORM PET/W AC: structural foam core

Polyethylene Therephthalate (Welded)

			AC80	AC100	AC115	AC135	AC150	AC200
Density	ISO 845	kg/m ³	80 ⁽¹⁾	100 ⁽¹⁾	115 ⁽¹⁾	135 ⁽¹⁾	150 ⁽¹⁾	200 ⁽¹⁾
Compression Strength	ISO 844	MPa	0,95	1,5	1,8	2,3	2,6	3,6
Compression Modulus	ISO 844	MPa	60	70	80	90	105	157
Shear Strength ⁽²⁾	ISO 1922	MPa	0,6	0,85	1,0	1,3	1,4	1,8
Shear Modulus ⁽²⁾	ISO 1922	MPa	15	20	25	35	45	50
Shear Strain ⁽²⁾	ISO 1922	%	20	20	20	15	10	5
Tensile Strength	ASTM C 297	MPa	2,1	2,4	2,7	3	3,4	4,4
Tensile Modulus	ASTM C 297	MPa	75	105	120	150	190	230
Thermal Conductivity	at 23 °C	W/mK	0,034	0,034	0,035	0,037	0,041	0,043

Fire, Smoke & Toxicity⁽³⁾

B2	EN ISO 11925:2	B2 ⁽⁴⁾	B2 ⁽⁴⁾	B2 ⁽⁴⁾	B2 ⁽⁴⁾	B2 ⁽⁴⁾	B2 ⁽⁴⁾
FMVSS	ISO 3795	Passed	Passed	Passed	Passed	Passed	Passed
UL	UL 94	HBF	HBF	HBF	HBF	HBF	HBF

Tolerances

	Length	Width	Diagonal	Thickness
Dimensions (mm) ⁽⁵⁾	2.448	1.008	tbc ⁽⁶⁾	5–150mm
Tolerances (mm) at room temperature	+/- 5	+/- 5	≤ 4	≤ 100mm: +/- 0,5 ≥ 100mm: +/- 1

⁽¹⁾ Tolerances: +/- 5 kg/m³

⁽²⁾ // direction (parallel to the weld)

⁽³⁾ For detailed test results and certificates please contact us.

⁽⁴⁾ As of 50 mm.

⁽⁵⁾ Standard dimension. Further dimensions on special request.

⁽⁶⁾ Depending on length and width combination.

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

ArmaFORM PET products are CFC / HFC free.



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