

**ArmaFORM PET/W GR: 'green' structural foam core**

Polyethylene Therephthalate (Welded)

			<b>GR60</b>	<b>GR80</b>	<b>GR100</b>	<b>GR115</b>
Density	ISO 845	kg/m <sup>3</sup>	60 <sup>(1)</sup>	80 <sup>(1)</sup>	100 <sup>(1)</sup>	115 <sup>(1)</sup>
Compression Strength	ASTM D 1621 b	MPa	0,7	0,95	1,5	1,8
Compression Modulus	ASTM D 1621 b ISO 844	MPa	55	71	105	120
		MPa	35	57	70	80
Shear Strength	ISO 1922	MPa	0,5	0,55	0,7	0,9
Shear Modulus	ISO 1922	MPa	11	18	20	22
Shear Strain	ISO 1922	%	25	15	10	10
Tensile Strength	ASTM C 297	MPa	1,6	2,1	2,4	2,7
Tensile Modulus	ASTM C 297	MPa	60	75	105	120
Thermal Conductivity	ISO 12667	W/mK	0,034	0,034	0,034	0,035

<b>Tolerances</b>	<b>Length</b>	<b>Width</b>	<b>Diagonal</b>	<b>Thickness</b>
Dimensions (mm) <sup>(2)</sup>	2.448	1.005	tbc <sup>(3)</sup>	GR80-GR115: 5–150mm GR60: 10-150 mm
Tolerances (mm) at room temperature	+/- 5	+/- 5	≤ 4	≤100mm: GR80+GR115 +/- 0,5 GR60: +/- 0,7 ≥ 100mm: +/- 1

<sup>(1)</sup> Tolerances GR80 - GR115: +/- 5 kg/m<sup>3</sup>; GR60: -5/+10 kg/m<sup>3</sup>

<sup>(2)</sup> Standard dimension. Further dimensions on special request.

<sup>(3)</sup> Depending on length and width combination.

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

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