

			GR70	GR80	GR100	GR115	GR135	GR150	GR200	GR250 *
Density	ISO 845	kg/m <sup>3</sup>	70 <sup>(1)</sup>	80 <sup>(1)</sup>	100 <sup>(1)</sup>	115 <sup>(1)</sup>	135 <sup>(1)</sup>	150 <sup>(1)</sup>	200 <sup>(1)</sup>	250 <sup>(1)</sup>
Compression Strength	ISO 844	MPa	0,75	0,95	1,5	1,8	2,3	2,6	3,6	5,0
Compression Modulus	ISO 844	MPa	40	57	70	80	90	105	157	210
Shear Strength <sup>(2)</sup>	ISO 1922	MPa	0,5	0,55	0,75	0,9	1,2	1,4	1,8	1,9
Shear Modulus <sup>(2)</sup>	ISO 1922	MPa	13	15	20	25	35	40	50	70
Shear Strain <sup>(2)</sup>	ISO 1922	%	15	15	10	10	7	7	5	3
Tensile Strength	ASTM C 297	MPa	1,8	2,1	2,4	2,7	3,0	3,4	4,4	4,5
Tensile Modulus	ASTM C 297	MPa	66	75	105	120	140	190	230	240
Thermal Conductivity	at 23 °C	W/mK	0,034	0,034	0,034	0,034	0,037	0,041	0,043	0,047

**Fire, Smoke & Toxicity <sup>(3)</sup>**

B2	EN ISO 11925:2	tbd	B2 <sup>(4)</sup>	B2 <sup>(4)</sup>	B2 <sup>(4)</sup>	B2 <sup>(4)</sup>	B2 <sup>(4)</sup>	B2 <sup>(4)</sup>	tbd
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**Tolerances**

	Length	Width	Diagonal	Thickness
Dimensions (mm) <sup>(5)</sup>	2.448	1.008	<sup>(6)</sup>	GR70-GR80: 10–150mm GR100-GR250: 5-150mm
Tolerances (mm) at room temperature	+/- 5	+/- 5	≤ 4	≤ 100mm: GR70 +/- 0,7 ≤ 100mm: GR80-GR250 +/- 0,5 ≥ 100mm: GR70-GR250 +/- 1

<sup>(1)</sup> Tolerances: +/- 5 kg/m<sup>3</sup>

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

<sup>(3)</sup> For detailed test results and certificates please contact us.

<sup>(4)</sup> As of 50 mm.

<sup>(5)</sup> Standard dimension. Further dimensions on special request.

<sup>(6)</sup> Depending on length and width combination.

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

ArmaFORM® PET products are CFC / HFC free.

\* Preliminary data (indication based on a limited number of tests).



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