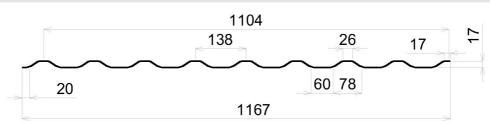


ELYPLAST TECHNICAL DATA SHEET



Straight ribbed sheet **R612** produced with polyester resin reinforced with fibreglass, in conformity to the following characteristics and technical norms:

Т

Reinforcement:	Fibreglass
% fibreglass	≥ 25%
Weight:	1,100 ; 1,500; 1,750; 2,450 kg/m ² (tolerance ± 5%)
Colour:	Clear (other colors on request)
Superficial protection:	n.a.
Density:	1,4 g/cm ³
Exercise temperature	-40 ℃ ÷ +120 ℃
Self-ignition temperature:	ab. 400 ℃
Reaction to fire:	The standard GRP (Glassfibre Reinforced Polyester) laminates are not inflammable, but, if exposed to a flame they burn, they do not drip.
Thermal conductivity (λ) :	0,22 W/mK (ASTM C177)
Heat transmission (U):	220 W/m ² K (1 mm thickness)
Hardness Barcol:	55 ÷ 60 (ASTM D2583)
Thermal linear expansion:	2,7 x 10 ⁻⁵ ℃ ⁻¹ (ASTM D696)
Bending elasticity:	6-7 GPa (ASTM D790)
Overload evenly distributed:	See loading chart
Resistance to chemical agents:	GRP laminates are not altered by the action of the following acids in the listed
	solutions depending on their concentration and on a testing temperature ranging
	from 30° to 50° C.
	Acetic acid \Rightarrow 10%Sulphuric acid \Rightarrow 30%
	Chlorohydric acid \Rightarrow 35%Ethyl alcohol \Rightarrow 95%
	Nitric acid \Rightarrow 10%Benzol \Rightarrow 30%

The choice of building material must fulfill the requirements of the laws in force. The GRP roofing laminates are **not walkable**. The installation and maintenance must be done respecting the safety rules.

Issued by: QSA

Rev.: 0 of 10/11 Brianza Plastica S.p.A. Pag. 1 of 1

Brianza Plastica S.p.A. A Company with a Quality Management System <u>UNI EN ISO 9001:2008</u> certified (certif. N° 106 SQP-IIP)

Via Rivera, 50, 20841 Carate Brianza (MB) • Tel. 0362.91601 • Fax 0362. 990457 http://: www.brianzaplastica.it • e-mail: info@brianzaplastica.it Co. Cap. Euro 3,000,000 fully paid-up • MB Company Registration N° 3960 REA/MB Registration N° 602163 • Tax N° 00865040158 • VAT N° IT00698250966