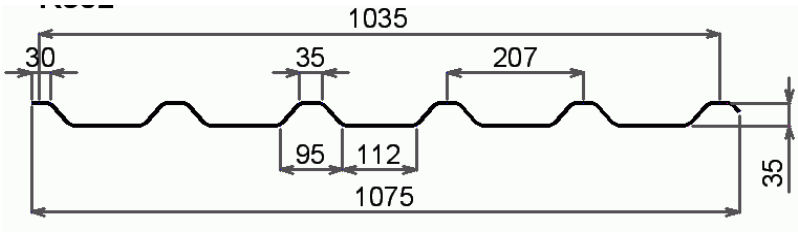
Brianza Plastica

Roofings and insulating systems for the building industry

ELYPLAST

TECHNICAL DATA SHEET



Straight ribbed sheet **R582** produced with polyester resin reinforced with fibreglass, in conformity to the following characteristics and technical norms:

Reinforcement: *% fibreglass*	Fibreglass ≥ 25%
Weight:	1,200 ; 1,600; 1,900; 2,650 kg/m^2 (tolerance ± 5%)
Colour:	Clear (other colors on request)
Superficial protection:	According to versions
Density:	1,4 g/cm^3
Exercise temperature	-40 °C ÷ +120 °C
Self-ignition temperature:	ab. 400 °C
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} °C^{-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 ⇒ 10% — Sulphuric acid ⇒ 30% Chlorohydric acid ⇒ 35% — Ethyl alcohol ⇒ 95% Nitric acid ⇒ 10% — Benzol ⇒ 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.

The information contained in this technical data sheet is based on present information and experiences and is correct and precise, as far as we know. The information has no meaning of quality guarantee as the employment conditions are not under our direct control.

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