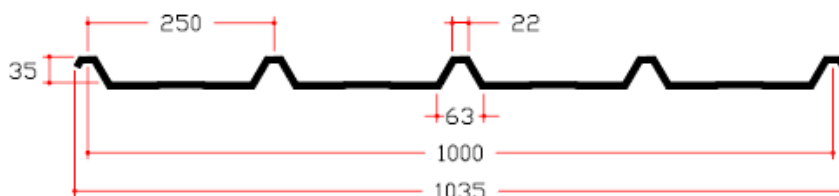


# Technical Data Sheet

## GRP Sheets *FILON*

cod. 272

G250 / 35



F.O. = 1,15

METAL SA · PROFIL 1000

Thermoset Composite laminates of unsaturated polyester resin, which is reinforced with Rowing fiberglass, polymerized by a continuous and irreversible production process at high temperature. On demand, is possible the application of a gelcoat for surface protection. Gelcoat is a layer of pure resin, belonging at the same matrix base resin. Its application is obtained during the production by a bond with the polyester based resin at molecular level.

WAVES DISTANCE	250 mm
WAVES HEIGHT	35 mm
CORRUGATION FACTOR	1,15
WEIGHT (WITH TOLERANCE $\pm 5\%$ )	1,6 Kg/mq 2,1 Kg/mq 2,4 Kg/mq
COLOUR	NEUTRAL INTERNAL CODE 00

General Features		
Nylon Threads distance	10 mm	Internal test
Resin	~ 70%	Internal test
Fiberglass Reinforcement (tolerance $\pm 5\%$ )	~ 30%	Internal test
Use Temperature Range	- 40°C; + 140°C	
Thermal Conductivity $\lambda$	0,15 W/m °K	EN 12667:2001
Tensile Strength	123,6 N/mm <sup>2</sup>	ASTM D-638
Compression Strength	129,4 N/mm <sup>2</sup>	ASTM D-695
Flexural Strength	185 N/mm <sup>2</sup>	UNI EN 1013-2
Flexural Modulus	6000 N/mm <sup>2</sup>	UNI EN ISO 178:2006
Thermal Linear Expansion Coefficient	$3,2 \times 10^{-5} \text{ } ^\circ\text{C}^{-1}$	ASTM D-696
Barcol hardness	~ 45	internal test

*N.B.: All the information herewith given are based on our real experience and in good faith, but is provided only as a guide, without guarantee. Installation and use of the described products are out of our control possibilities and therefore are on user responsibility, who can not get out of checking the material to values its fitness to the required use. Most of data features have been considered to 1,00 mm ca. thickness GRP neutral and standard material.*