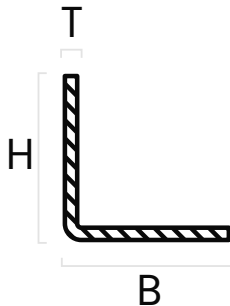
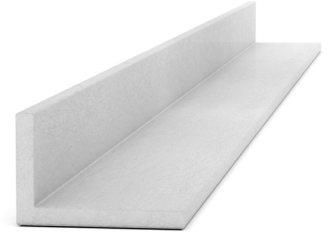




ANGLE PROFILES TRIGLASS®

ANGLES TRIGLASS® composite profiles, reinforced with fibreglass and/or carbon, represent one of the pultruded profiles made by Top Glass.

Partially available **from stock**, depending on the thickness of the matrix employed in their manufacture, they can be used as components of **fibreglass ladders**, in frames for the **construction of electrical cabins**, in **wastewater treatment systems** and for **walking surfaces and frames**.



Nominal dimension: mm

IN RED colour: dimensions available **in stock** (subject to prior sale)

IN GREY colour: dimensions available **upon request** and produced with a variety of reinforcements, resins and colours and based on **minimum production quantities** that can differ depending on the profile

SPECIFICATIONS OF IN-STOCK PROFILES:

LENGTH IN STOCK: 2.000/2.500/3.000 mm

COLOUR IN STOCK:

- THICKNESS 2 mm WHITE
- THICKNESS 3 mm: RED
- THICKNESS 5/8 mm: GREY

MATRIX IN STOCK:

- THICKNESS 2/3 mm: SELF-EXTINGUISHING POLYESTER IS 213 / UL 94 V0
- THICKNESS 5/8 mm: STANDARD POLYESTER

BASE	HEIGHT	TH.
15	15	2
20	20	3
21	14	1,8
25	15	2
25	25	3
30	30	3
35	15	2
35	35	3
40	40	3
45	15	2
45	25	3
45	45	3
50	50	3
60	60	3
70	25	3
70	30	3
112	45	3
140	60	3

BASE	HEIGHT	TH.
30	30	4
30	30	5
35	35	5
40	40	5
45	45	5
50	50	5
55	55	5
60	60	5
65	60	5
75	50	8
100	100	8

MEAN PHYSICAL-MECHANICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT OF MEASUREMENT	STANDARD PROFILES MEAN VALUE
Specific weight	ASTM D792	g/cm ³	1,75 ÷ 1,9
Dielectric strength	ASTM D149	kV/mm	3 ÷ 7
Water absorption	ISO 62	%	0,4
Surface electrical resistivity	EN 61340	Ω	10 ¹²
Fattore di perdita 50 HZ (tg δ)	ASTM D150	-----	0,05
Thermal class	-----	CLASS	F
Longitudinal thermal expansion coefficient	ISO 11359-2	κ ⁻¹	8 ÷ 11 x 10 ⁻⁶
Thermal conductivity	EN 12667 / EN 12664	W/mK	0,3
Longitudinal flexural strength	ASTM D790	MPa	300 ÷ 500
Longitudinal flexural modulus	EN 13706	GPa	22 ÷ 28
Longitudinal tensile strength	ASTM D638	MPa	300 ÷ 500
Longitudinal tensile modulus	ASTM D638	GPa	22 ÷ 28
Longitudinal compression strength	ASTM D695	MPa	180 ÷ 300
Longitudinal compression modulus	ASTM D695	GPa	16 ÷ 20
Fire reaction	UL 94	CLASS	HB
Shear strength	ASTM D2344	MPa	30

VALUES REFER TO REINFORCED PROFILES WITH FIBREGLASS IN A **POLYESTER MATRIX**

Tolerance for mechanical properties refers to longitudinal direction: ± 10%

The data provided is accurate. However, Top Glass does not assume any liability as to its use.

NOTES:

- HIGHER MECHANICAL VALUES REFER TO PROFILE WITH THICKNESS OVER 4 mm
- POSSIBLE UL 94 V0 FIRE REACTION WITH OR WITHOUT HALOGENS
- POSSIBLE TO HAVE IN ANTISTATIC FORMULATION
- POSSIBLE USE OF SPECIAL FORMULATION ON THICKNESS OVER 2,5 mm FOR HIGH FIRE REACTION AND NO TOXIC SMOKE
- VINYLESTER FORMULATION FOR CHEMICAL RESISTANCE APPLICATION AVAILABLE

