

Square Tube PROFILES

BASE	HEIGHT	TH. 1	TH. 2
22	22	1	1
28,1	16,1	2	2
28,5	18,7	2	2,5
29,6	20,2	2	2
30	12	2	2,5
30	15	2	2,5
30	30	2,5	2,5
30	30	2,5	2,5
33,9	21	2,5	2,5
34,1	19,1	2	2
40	20	2	2,5
40,1	40,1	2	2
50	20	2,5	3
50	50	4	4
50	50	5	5
58	25	3	3
60	20	2,5	3
60	30	2,5	3
70	12	2,6	3
70	70	4	4
70	70	5	5
73	25	3	3,5

Profiles in Stock **
Profiles made to order
Nominal dimension: mm

TRIGLASS® SQUARE TUBES

These composite profiles represent part of Top Glass standard shapes range and some of them are in stock ready for immediate delivery.

In case of specific needs in terms of mechanical, chemical and fire performances, a wide combination of resins, colors and reinforcements are available for a customized production.

Other tools can be designed and made by Top Glass to produce any other dimension.

Top Glass is certified ISO 9001.

BASE	HEIGHT	TH. 1	TH. 2
73	25	3	6,6
74	34	3	2,5
80	23	3	3
80	38	3	2,5
80	47	3	3
82	32	2,8	4
85	25	3	4
85	25	3	4
86	32	2,8	4
90	25	3	5
90	90	8	8
95	26	3	5
100	30	3	3
100	100	10	10
120	120	6	6
135	35	3,5	5
150	100	3	3
150	100	5	6
200	150	3	3
400	30	3	3
1000	40	4	3,7

NOTES:

** STOCK LENGTH: 6.000 mm
 STOCK COLOR: GREY
 STANDARD POLYESTER MATRIX

MEAN PHYSICAL-MECHANICAL PROPERTIES

PROPERTY	TEST METHOD	UNIT	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 RESISTIVITY	EN 61340	Ω	10 ¹²
LOSS FACTOR AT 50 Hz (Tg δ)	ASTM D7028	-----	0,2
THERMAL CLASS	-----	CLASS	F
LONGITUDINAL THERMAL EXPANSION COEFFICIENT	ISO 11359-2	K ⁻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 ÷ 30
LONGITUDINAL TENSILE STRENGTH	ASTM D638	MPa	300 ÷ 500
LONGITUDINAL TENSILE MODULUS	ASTM D638	GPa	22 ÷ 30
LONGITUDINAL COMPRESSION STRENGTH	ASTM D695	MPa	180 ÷ 300
LONGITUDINAL COMPRESSION MODULUS	ASTM D695	GPa	16 ÷ 21
FIRE REACTION	UL 94	CLASS	HB
SHEAR STRENGTH	ASTM D2344	MPa	30

VALUES RELATED TO GLASS REINFORCED STANDARD POLYESTER PROFILES

Average tolerance on mechanical properties referred to longitudinal direction: ± 10%.

To the best of our knowledge, the data contained in this publication is accurate. However, Top Glass does not assume liability for how the data is used.

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

