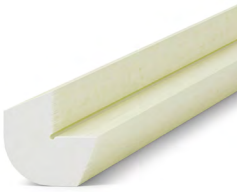
PRODUCT SHEET

# CORNER SECTIONS TRIGLASS®



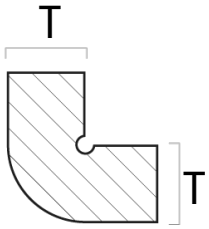
All dimensions are realizable upon order, with ample customization possibilities regarding reinforcements, resins, colors and finishes, based on minimum lots varying according to the required profile.

(S) Dimensions currently available in stock are indicated in red, subject to prior sale.

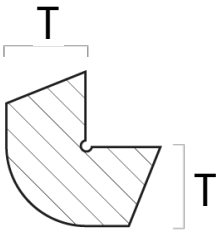
Nominal dimensions: mm

| CORNER SECTION TYPE "A" | | |
|---|---|---|
| **THICKNESS** | **THICKNESS** | |
| 4,9 | 4,9 | |
| 6 | 6 | **S** |
| 8 | 8 | **S** |
| 10 | 10 | **S** |

| CORNER SECTION TYPE "B" | | |
|---|---|---|
| **THICKNESS** | **THICKNESS** | |
| 7 | 7 | **S** |
| 12 | 12 | **S** |
| 16 | 16 | **S** |




A type Corner Section




B type Corner Section

## RAW MATERIALS

Fiberglass
Thermosetting resin

## APPLICATIONS

Production of electrical equipment
Dry-type transformers
Electric motors and coils

## IN-STOCK PROFILES

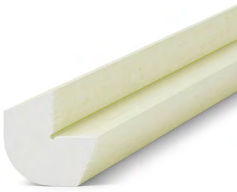
**LENGTH:**
Length: 2000/2500/3000 mm depending on the profile
**COLOR:**
Natural
**MATRIX:**
Standard Polyester
The profiles are divided into indivisible standard bundles

## PRODUCTS

100% Made In Italy

PRODUCT SHEET

# CORNER SECTIONS TRIGLASS®



VALUES REFER TO REINFORCED PROFILES WITH FIBREGLASS IN A POLYESTER MATRIX. Mechanical resistance values are to be considered at breaking. Typical tolerance for mechanical properties referred to the longitudinal direction: ±10%. The provided data is accurate. However, Top Glass does not assume any liability as to its use.

## ADVANTAGES

Electrical insulation
Mechanical resistance
Lightweight
Long-lasting

## NOTES

It is possible to produce profiles in Class H / UL94 V-0 with halogens, or in Class F / UL94 V-0 with or without halogens

We provide, upon request, declarations of conformity to the European Directive RoHS 2011/65/CE and the European REACH Regulation, including related restrictions on the use of PFAS

## CERTIFICATIONS

Recyclability certificate FRP200004

## MAIN PHYSICAL - MECHANICAL PROPERTIES

| PROPERTY | STANDARD | UNIT OF MEASURE | STANDARD PROFILES Average Values |
|---|---|---|---|
| Specific weight | ASTM D792 | g/cm³ | 1,9 |
| Dielectric strength | ASTM D149 | kV/mm | 5 |
| Water absorption | ISO 62 | % | 0,2 |
| Surface electrical resistivity | EN 61340 | Ω | $10^{12}$ |
| Dielectric constant at 50 HZ | ASTM D150 | - | 5 |
| Loss factor at 50 HZ (tg δ) | ASTM D150 | - | 0,05 |
| Thermal class | —— | CLASS | H |
| Coefficient of linear thermal expansion | ISO 11359 - 2 | $K^{-1}$ | $7.5 \times 10^{-6}$ |
| Thermal conductivity | "EN 12667 EN 12664" | W/mK | 0,3 |
| Longitudinal flexural strength | ASTM D790 | MPa | 600 |
| Longitudinal flexural modulus | ASTM D790 | GPa | 30 |
| Longitudinal compression strength | ASTM D695 | MPa | 280 |
| Longitudinal compression modulus | ASTM D695 | GPa | 23 |
| Fire reaction | UL 94 | CLASS | HB |