PRODUCT SHEET

DOG BONE TRIGLASS®

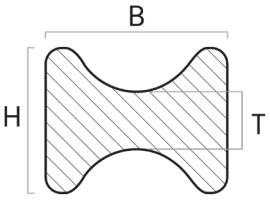
All dimensions are realizable upon order, with ample customization possibilities regarding reinforcements, resins, colors and finishes, based on minimum lots varying according to the required profile.

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

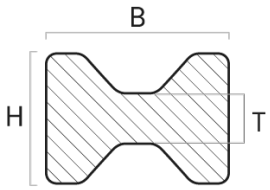
Nominal dimensions: mm

STANDARD DOG BONE			
BASE	**HEIGHT**	**THICKNESS**	
8	6	3	S
10	8	4	S
12	10	5	S
13	10	5	S
14	10	5	S
16	12	6	S
16	13	6,5	S
18	14	7	S
20	16	8	S
24	16	8	S

REINFORCED DOG BONE			
BASE	**HEIGHT**	**THICKNESS**	
12	10	2,5	
14	12	2,5	
16	14	3	
18	16	3	
20	18	4	
22	20	4	S



Standard Dog Bone



Reinforced Dog Bone

RAW MATERIALS

Fiberglass
Thermosetting resin

APPLICATIONS

Electronic Industry
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

DOG BONE 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}	7.5×10^{-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