



DOGBONES AND CORNER PROFILES

Profiles, Dog Bones and Corner Profiles are made of drawn glassfiber reinforced epoxy. The material is approved for temperatures up to 180°C. Used as a structural component and electrical insulation for a wide range of applications.

- Drawn glass fiber reinforced epoxy
- Very good thermal properties Class H
- Spacer material for transformers, etc.
- Dogbones in sizes from 8x10mm to 16x24mm
- Corner profiles in sizes 6, 8 and 10 mm

PRODUCT INFORMATION

Profiles, Dog Bones and Corner Profiles are made of drawn glassfiber reinforced epoxy. The material is approved for temperatures up to 180°C. Used as a structural component and electrical insulation for a wide range of applications.

Applications

The profiles are suitable for a wide range of applications within the electrical and mechanical areas such as spacers, electrical insulation components/spacers, etc. Transformers are a typical application area

Properties

- Very good mechanical properties
- Low moisture absorption
- Very high CTI value (Comparative Tracking Index)
- High heat resistance 180°C
- High chemical resistance
- Resistant against most impregnation varnishes
- Good dielectric properties

Composition

- Drawn glassfiber reinforced epoxy

Colour

- Yellowish white to white hue

Dimensions

- Dimensions as shown in drawing below
- Produced in lengths of 2500 mm
- For larger volumes we can offer cut profiles on request

Packaging

- Sold individually
- Usually non stock order item

Product information for which Carbex bears no responsibility is provided by the manufacturer.





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Technical data

Profiles, Dog Bones, Corner Profiles Class H 180° C

Properties

Mechanical	Value	Unit
Density	1,8 -2,15	g/cm ³
Flexural strength perpendicular at +23°C +--2°C	>700	N/mm ²
Flexural strength perpendicular at +130°C +--2°C	>70	N/mm ²
Compressive strength perpendicular	>250	N/mm ²
Tensile strength	>600	N/mm ²
Impact strength parallel with laminations	>=350	kJ/m ²
Water absorption	<=0,1	%
Flame resistance	FVO	Class
Thermal		
Temperature endurance (Temperature index)	180	T.I
Electrical		
Dielectric strength fiber direction (25 mm)	>45	kV
Creep voltage strength	600	CTI
Resistivity surface	>=1x10 ¹¹	Ω
Resistivity volume	>=1x10 ¹²	Ω

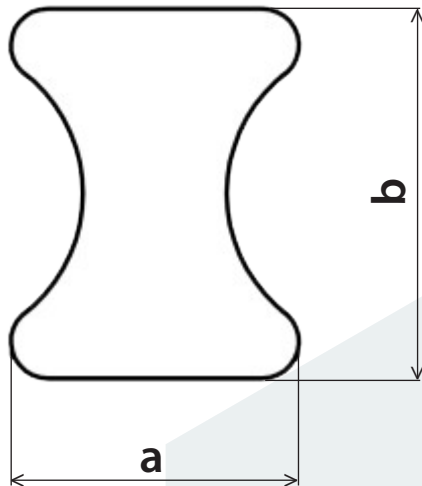
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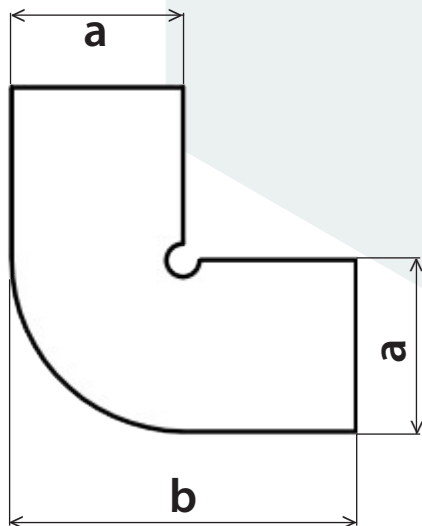
DOGBONES AND CORNER PROFILES

DOGBONE



a	b
8	10
10	12
10	14
10	15
12	16
14	18
16	20
20	22
16	24

CORNER ANGLES



a	b
6	12
8	16
10	20
12	24

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