

# Square tubes made of KRÜPAX®

Profile tubes made of phenolic paper type Krüpax 80-P are mainly used in the electronic industry and in the low voltage sector as insulators. In the industry for switches and also in the high voltage sector they are used because of their superior electrical and mechanical characteristics, providing an excellent price-performance ratio.

These profile tubes can have a quadratic, rectangular, oval or hexagonal shape depending on the available tools. Besides that, we can also cut out squares in L- and U-shape of the profile tubes.

Structure: Profile tubes made of Krüpax consist of phenolic resin impregnated paper sheets. They are wound parallel on winding machines and then get exactly shaped and at the same time hardened in hydraulic presses with heated pressing tools. There the layers get indissoluble. The finished parts then get worked to the customer's requirements.

Type	DIN ISO EN 61212	DIN 7735
Krüpax 80-P	PF CP 31/42	Hp 2068

## Normal sizes and tolerances:

**Dimensions:** Inside from 4 mm to 200 mm, length from 500 to 1220 mm  
Wall thickness from 0,5 mm, depending on the dimension

**Tolerances:** according to EN 61212-3-1 or after agreement

Technical Terms	Unit	Krüpax 80-P
Voltage, vertical	kV/3mm	25
Voltage, parallel	kV/25mm	10
Density	g/cm <sup>3</sup>	1,2-1,4
Temperature resistance	Celsius	120
Compression, axial	MPa	70
Flexural strength	MPa	80
Flexural modulus	N/mm <sup>2</sup>	7.000

The above called specifications were made to the best of our knowledge. It is recommended to prove the material in case of doubt for special applications. All values are the minimum requirement!