

Tubes | made of | KRÜPAX®

Tubes made of phenolic paper type Krüpax are used in the electro industry as high classed insulating material as well as construction material in the machine construction. This material is highly durable and nevertheless has a low price. Because of the production process we can also produce small quantities without any problem.

Structure: Tubes made of Krüpax consist of with phenolic resin impregnated paper-sheets. They are parallel wound on winding machines where the resin and fabric glue together under the influence of heat and pressure. At the following hardening process the layers get indissoluble. The finished tubes then get grinded and mechanically worked as the customer wishes.

Type	DIN ISO EN 61212	DIN 7735
Krüpax 50	PF CP 21	Hp 2065
Krüpax 60	PF CP 22	Hp 2066
Krüpax 70	PF CP 23	Hp 2067

Normal size and tolerances:

Inside diameter:	from \varnothing 2 mm to ca. \varnothing 850 mm, Special sizes on request
Wall thickness:	from 0,5 mm, depending of the diameter
Length:	from 500 mm to ca. 2100 mm depending on type and diameter
Tolerances:	according to EN 61212-3-1 or after agreement

Technical terms	Unit	Krüpax 50	Krüpax 60	Krüpax 70
Compression, axial	MPa	100	80	100
Flexural strenght	MPa	100	100	100
Tensile strenght	MPa	70	70	70
Density	g/cm ³	1,1-1,2	1,01-1,15	1,1-1,2
Temperature resitance	°C	120	120	120
Voltage, parallel	kV/25mm	25	25	25
Voltage, vertical	kV/3mm	25	50	25

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.