

Tapes|made of|KRÜTEX 200-T®

Guide tapes made of a modified composite material are manufactured exclusively in our company on modern presses and processing machines, from the raw material to the finished part. We can therefore react quickly and flexibly to very special requests from our customers regarding dimensions and changes in raw material components.

Guide rings made of strip material are used for sizes > ø 500 mm but also in the repair shop. Guide rings have the task of guiding the piston and the piston rod of a working cylinder precisely and absorbing the resulting transverse forces. No metallic contact of the sliding components, i.e. between piston and cylinder wall or rod and cylinder head with the counter surface, must occur. Our guide belts are characterized by their gentle behaviour towards the sliding surfaces and their ability to bind smaller contaminating particles.

Construction: Krütex 200®-T tapes consist of a combination of synthetic fibre fabric with modified phenolic resin. They are pressed on a 6.000 x 1.000 mm sheet press, where the resin bonds the sheets under the effect of pressure and heat. The layers change into an inseparable state. The sheets are then processed and assembled into strips or coils. Special advantages of this new material are its non-measurable water absorption and good emergency running properties.

Standard range of dimensions and tolerances:

Tape length:	5.700 mm	Width:	5,5 - 30 mm
Wall thickness:	2,0 – 4,0 mm	Tolerances:	0,05 - 0,1 mm

Technical terms	Unit	Norm	Krütex 200-T
Compressive strenght flatwise	N/mm ²	ISO 604	320
Flexural strenght	N/mm ²	ISO 178	100
Tensile strenght	N/mm ²	ISO 527	55
Flexural Modulus	N/mm ²	ISO 604	4.000
Friction coefficient against steel	μ	ASTM D 1894	0,025
Density	g/cm ³	DIN 53479	> 1,15
Water absorbtion	%	DIN 53495	nicht messbar
Temperature resistance	°C	ISO75-3	-40 bis + 120
Ball pressure hardness vertical to laminate	N/mm ²	ISO 2039	190
Ball pressure hardness parallel to laminate	N/mm ²	ISO 2039	170
Maximum sliding speed	m/s		0,8

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!