

Multi-purpose: First iglidur® tribo tape

The tribo-tape from igus® is suitable for a variety of lining for tribologically stressed surfaces and shapes to optimise the transportation of machine beds, etc. With a thickness of only 0.5 mm (including adhesive back 0.65 mm), the space requirement is very low. The easy workability - the cut is possible by means of a pair of scissors - and the optional self-adhesive back give almost unlimited application possibilities.



Material: iglidur® A160

- Low coefficient of friction
- Best wear-resistance
- Upto +100 °C

Compared to similar thin plastic films, the cost-effective iglidur® A160 tape has a very high wear resistance.

- Lubricant- and maintenance-free
- Easy to cut
- Adherent
- For compact areas

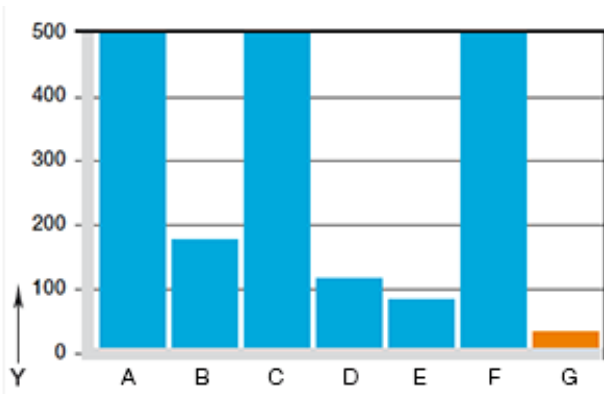
Typical applications:

Mechanical engineering, materials handling, fixture construction, installation technology, etc.

Material: iglidur® V400

- Extremely wear resistant
- Highly resistant to media
- Upto +200 °C

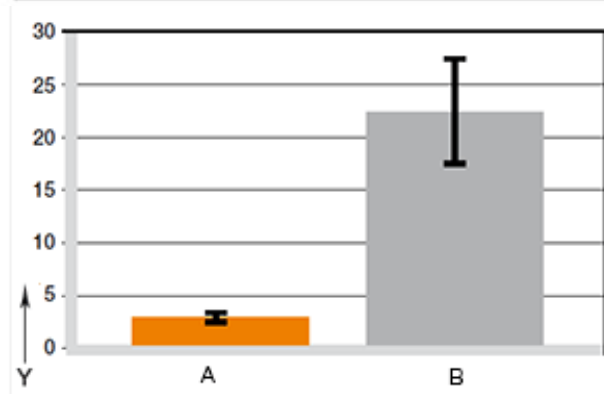
The extremely wear-resistant and at the same time very media- and temperature-resistant iglidur® V400 tape shows up to 10 times higher wear resistance in the test compared to special products for machine beds and the like.



Wear rotating against stainless steel pin (1.4305) $F= 35\text{ N}$, $v= 0.5\text{ m/min}$

Y = Wear/mass decrease [mg/km]

A = PC | B = compound liner | C = PEEK
D = PEEK mod. 1 | E = PEEK mod. 2 | F = PET
G = iglidur® A160



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Y = Wear/mass decrease [mg/km]

A = iglidur® V400 | B = PTFE bronze compound

Part Number	Film thickness
✔ A160-T-005-0120	0.5
A160-T-005-0100-G1	0.5

Technical data

General features	Unit	iglidur® A160
Density	g/cm ³	1,0
Colour		blue
Max. humidity absorption at 23°C/50% R. H.	Wt.-%	0,1
Max. water absorption	Wt.-%	0,1
Coefficient of surface friction, dynamic, against steel	μ	0,09 - 0,19
pv value, max. (dry)	MPa x m/s	0,25

Mechanical properties

Bending E-module	MPa	1.151
Tensile strength at +20 °C	MPa	19
compressive strength	MPa	37
Maximum recommended surface pressure (20° C)	MPa	15
Shore D-hardness		60

Physical and thermal properties

Max. long term application temperature	°C	+90
Max. short term application temperature	°C	+100
Minimum application temperature	°C	-50
thermal / heat conductivity	[W/m x K]	0,30
Coefficient of thermal expansion (at 23° C)	[K ⁻¹ x 10 ⁻⁵]	11

Electrical properties

Specific forward resistance	Ωcm	> 10 ¹²
Surface resistance	Ω	> 10 ¹²

chemical resistance	iglidur ® A160
Alcohols	+
Hydrocarbons	+
Greases, oils without additives	+
Fuels	+ to 0
Diluted acids	+
Strong acids	+
Diluted bases	+
Strong bases	+
Radioactive rays [Gy] to	1 x 10 ⁵

+ Resistant 0 conditionally resistant – not resistant