



igidur® I170



Order key

tribo-filament	Diameter	Weight
I170-PF- 0175 -0250		
igidur® material	tribo-filament	Ø [mm · 100]
		Spool weight [g]

igidur® I170 – optimised service life

- Improved abrasion resistance
- Application temperature: +80°C
- For experts: high-quality processing
- Recommended printing surface:
igus® adhesive film ► [Page 728](#)

Dimensions [mm]

Filament diameter	Outer Ø spool	Inner Ø spool	Spool width	Weight [g]	Part No.
1.75	205	55	55	250	I170-PF-0175-0250
1.75	205	55	67	750	I170-PF-0175-0750
3.00	205	55	55	250	I170-PF-0300-0250
3.00	205	55	67	750	I170-PF-0300-0750

Material properties

General properties	Unit	igidur® I170	igidur® C210
Density	g/cm ³	1.21	1.40
Colour		Yellow	white
Max. moisture absorption at +23°C/50% r. h.	% weight	0.5	0.3
Max. total moisture absorption	% weight	1.6	0.7
Mechanical properties			
Flexural modulus	MPa	1,000	1,600
Flexural strength at +20°C	MPa	33/17 ¹³⁰⁾	38/30 ¹³⁰⁾
Shore D hardness		64	70
Physical and thermal properties			
Max. long-term application temperature	°C	+75	+100
Max. short-term application temperature	°C	+85	+180
Min. continuous application temperature	°C	-40	-30
Electrical properties			
Specific contact resistance	Ωcm	> 10 ¹²	> 10 ¹³
Surface resistance	Ω	> 10 ¹¹	> 10 ¹²

Table 01: Material properties table

¹³⁰⁾ Printed flat/upright