



igidur® I150



Order key

tribo-filament	Diameter	Weight	
I150-PF-	0175	-0250	
igidur® material	tribo-filament	Ø [mm · 100]	Spool weight [g]

igidur® I150 – makes printing even easier

- High abrasion resistance at low speeds
- Good mechanical properties
- The tribo-filament that is easiest to process
- Compliant with food requirements according to (EU) No 10/2011

- Recommended printing surface: igus® adhesive film or glue-stick on glass
- Also to be processed without a heated print bed (prerequisite: 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	I150-PF-0175-0250
1.75	205	55	67	750	I150-PF-0175-0750
3.00	205	55	55	250	I150-PF-0300-0250
3.00	205	55	67	750	I150-PF-0300-0750

Material properties

General properties	Unit	igidur® I150	igidur® I180	igidur® I180-BL
Density	g/cm ³	1.30	1.21	1.21
Colour		white	white	black
Max. moisture absorption at +23°C/50% r. h.	% weight	0.3	0.3	0.3
Max. total moisture absorption	% weight	0.7	0.9	0.9
Mechanical properties				
Flexural modulus	MPa	1,700	1,700	1,700
Flexural strength at +20°C	MPa	54/37 ¹³⁰⁾	46/33 ¹³⁰⁾	46/33 ¹³⁰⁾
Shore D hardness		62	66	66
Physical and thermal properties				
Max. long-term application temperature	°C	+65	+80	+80
Max. short-term application temperature	°C	+75	+90	+90
Min. continuous application temperature	°C	-30	-40	-40
Electrical properties				
Specific contact resistance	Ωcm	> 10 ¹³	> 10 ¹²	> 10 ¹²
Surface resistance	Ω	> 10 ¹²	> 10 ¹¹	> 10 ¹¹

Table 01: Material properties table

¹³⁰⁾ Printed flat/upright