



igidur® RW370



Order key

tribo-filament	Diameter	Weight
RW370-PF- 0175 -0750		
igidur® material	tribo-filament	Ø [mm · 100]
		Spool weight [g]

igidur® RW370 – ideal for the rail industry

- Flame-retardant, according to UL94-V0 and DIN EN 45545
- Flexural strength 91MPa
- High wear resistance
- Can be processed with high-temperature 3D printer

- Max application temperature: +170°C
- Available for 3D printing (Ø 1.75mm), as bar stock and as injection-moulding material
- Lubrication and maintenance-free
- Recommended printing surface: PET film

Dimensions [mm]

Filament diameter	Outer Ø spool	Inner Ø spool	Spool width	Weight [g]	Part No.
1.75	215	38	82	1,055	RW370-PF-0175-0750

Material properties

General properties	Unit	igidur® RW370	igidur® A350
Density	g/cm ³	1.34	1.42
Colour		beige	blue
Max. moisture absorption at +23°C/50% r. h.	% weight	0.25	0.6
Max. total moisture absorption	% weight	1.2	1.9
Mechanical properties			
Flexural modulus	MPa	2,100	1.250/1.390 ¹³⁰⁾
Flexural strength at +20°C	MPa	91/30 ¹³⁰⁾	50/46 ¹³⁰⁾
Shore D hardness		80	76
Physical and thermal properties			
Max. long-term application temperature	°C	+170	+180
Max. short-term application temperature	°C	+190	+210
Min. continuous application temperature	°C	-50	-100
Electrical properties			
Specific contact resistance	Ωcm	> 10 ¹²	> 10 ¹¹
Surface resistance	Ω	> 10 ¹²	> 10 ¹¹

Table 01: Material properties table

¹³⁰⁾ Printed flat/upright