

WP PerfectPrint 3D - flexible

Description:

WP PerfectPrint 3D - flexible is a liquid resin for 3D printers for the production of dental models. The material is black and shows a high flexural strength, which is however lower than the flexural strength of WP PerfectPrint 3D - flexible. The black material is suitable for SLA printers and shows a thin consistency which makes a heater unnecessary. Laser-curing is optimal with a wave length of 405 nm. Post-curing with halogen light is required.

WP PerfectPrint 3D – flexible reproduces details very accurately and has a very high flexural strength which reduces the work of the technician. The resolution in the direction of the Z-axis can be chosen from 25 μ , 50 μ und 100 μ . WP PerfectPrint 3D – flexible is available in different colours: white, pink, yellow, grey and blue.

Properties:

- Suitable for SLA printers
- Tested with the printer Form 2 of Formlabs
- Very good liquid consistency
- Laser-curing at 405 nm
- Not electrically conductive
- No bad smell
- Heat resistant
- Autoclavable up to 150°C
- Available in the colours white, pink, yellow, grey and blue

Advantages:

- Very good reproduction of details
- Dimensional stability
- High flexural strength
- Shrinkage only 1%

Indication:

For the production of models.

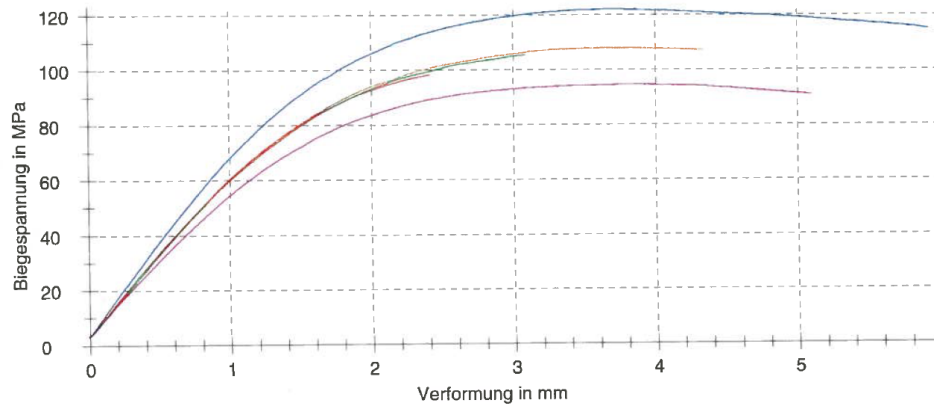
Physical data:

Exactness:	Minimum XY: 50 μ ; Minimum Z: optionally 25 μ , 50 μ , 100 μ
Flexural strength:	100 MPa
Flexural modulus:	2208 (calculated)
Barcol hardness:	29
Post-curing:	2 x 20 min halogen
Shrinkage:	1 % after post-curing

Graphic representation of the flexural strength:

The curves show that the test stick (25 mm x 2 mm x 2 mm) bend 3 mm before breaking at 100 MPa on average. **(axes labeling: Biegefestigkeit = Flexural Strength / Verformung = bending)**

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Storage conditions: dry and protected from light at 0 - 22 °C

Shelf life: 3 years

Presentation:

Product name	Item no.	
	1000 g/910 ml	500 g/455 ml
WP PerfectPrint 3D - flexible, white	WP5145	WP5146
WP PerfectPrint 3D - flexible, pink	WP5148	WP5149
WP PerfectPrint 3D - flexible, yellow	WP5151	WP5152
WP PerfectPrint 3D - flexible, grey	WP5153	WP5154
WP PerfectPrint 3D - flexible, blue	WP5155	WP5156
WP PerfectPrint 3D - black	WP5157	WP5158
WP PerfectPrint 3D - splint, transparent	WP5159	WP5160
WP PerfectPrint 3D - castable, blue-violet	WP5161	WP5162

