

WP PerfectPrint 3D – DLP - 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 DLP 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 DLP 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:

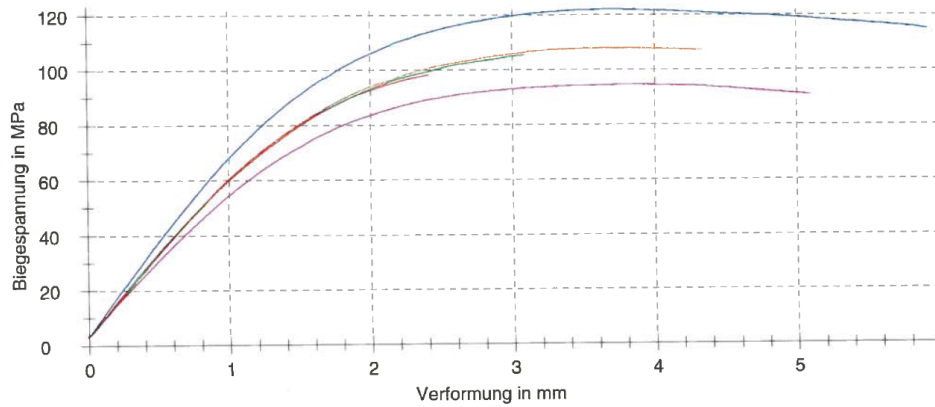
Exactness:	Minimum XY: 50 μ ; Minimum Z: optionally 25 μ , 50 μ , 100 μ
Flexural strength:	100 MPa
Flexural modulus:	2208 (calculated)
Barcol hardness:	29
Post-curing:	2 x 20 min halogen
Shrinkage:	1 % after post-curing

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)



WP PerfectPrint 3D – DLP - flexible



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, grey	WP5171	WP5172
WP PerfectPrint 3D - flexible, yellow	WP5173	WP5174
WP PerfectPrint 3D - flexible, beige	WP5175	WP5176
WP PerfectPrint 3D - flexible, blue-violet	WP5177	WP5178
WP PerfectPrint 3D - flexible, black	WP5179	WP5188
WP PerfectPrint 3D - flexible, rosa	WP5186	WP5187

