

## WP PerfectPrint 3D – DLP - black

### Description:

WP PerfectPrint 3D - black 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 – black reproduces details very accurately and has a 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.

### 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



### 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:	75 MPa
Flexural modulus:	1314 (calculated)
Barcol hardness:	27
Post-curing:	2 x 20 min halogen
Shrinkage:	1 % after post-curing

**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 - black	WP5157	WP5158