WP PerfectPrint 3D – DLP - Splint – very resistant

Description:
WP PerfectPrint 3D - Splint - very resistant is a liquid resin for 3D printers for the production of splints. The material is transparent and shows a high flexural strength which ensures that the material does not break while drilling. WP PerfectPrint 3D - Splint – very resistant 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 - Splint – very resistent 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. The material is certified as medical device class IIa.

Properties:

- Suitable for DLP printers
- Tested with the printer Form 2 of Formlabs
- Very good liquid consistency
- Laser-curing with wave length 405 nm
- Electrically not conductive
- No bad smell
- transparent
- Autoclavable up to 150°C

Advantages:

- Very good reproduction of details
- Dimensional stability
- High flexural strength
- Shrinkage only 1%
- Medical device class IIa

Indication:
For the production of splints.

Physical data:

Exactness:	Minimum XY: 50 µ; Minimum Z: optionally 25 µ, 50 µ, 100 µ
Flexural strength:	90 MPa
Flexural modulus:	1786 (calculated)
Barcol hardness:	36
Post-curing:	2 x 20 min halogen
Shrinkage:	1 % after post-curing
Medical device:	class IIa

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 – Splint – very resistant, transparent	WP5180	WP5185