

STANDARD UV RESIN

Standard UV resin is specially developed in-house by MCPP. The resin works perfectly on LCD/MSLA printers (395-405nm). The material adheres well to the build plate and is printed very fast with low shrinkage, resulting in an easy printing experience. Furthermore, the final print is accurate and not brittle, supported by deep, opaque colours. MCPP cares about the end-user safety and developed the Standard UV Resin without using any known reproductive toxic ingredients.

Material features:

- Easy & fast to print
- Excellent build plate adhesion
- Not brittle
- No known reproduction toxic hazard
- Short post curing (1-5min)
- Excellent layer time*
- Low odor
- Good viscosity – easy to clean and handle
- Excellent colour dispersion
- Accurate information on our Safety Data Sheets

*Depending on the printer and colour

Monochrome printer = expected layer time 2-4sec. Layer thickness = 0,05.

Low powered RGB printer = expected layer time 6-11sec. Layer thickness = 0,05.



Colours:

Standard UV resin is available from stock in 5 colours. Other colours on request

BK01 **BG01** **BU01** **GY01** **RD01**

Packaging:

Standard UV resin is available in nearly any type of packaging and labelling.

Ask our team to help you customize your product.

Material properties

Description	Testmethod	Typical value
Specific gravity	ISO 1183	1,21 g/cc
Viscosity	ISO 2555	180 MPa*s
Tensile strength at break	ISO 527	31 MPa
Elongation strain at break	ISO 527	4%
Tensile (E) modulus	ISO 527	1000 MPa
Impact Strength	ISO 179	17 kJ/m ²
Heat deflection temp. A (1,8MPa)	ISO 75	37 °C
Hardness	ISO 868	77D

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Additional info:

Shake closed bottle for at least a minute before use. Wait for bubbles to disappear.

Ensure adequate ventilation when handling this product. Use the necessary personal protection equipment. For details, please refer to the safety datasheet. Optimal handling temperature is 20-25°C.

Recommended layer exposure times: 2-4 sec for monochrome, 6-11 sec for low power RGB at layer thickness 0,05 mm. After printing, wash with Isopropyl alcohol. Immediately dry the print before post-curing for 1-5 minutes (in a standard post cure device).

Avoid direct UV-radiation sources during handling as this can impact print performance. Standard resin works on desktop LCD/MSLA technology, using 395-405 nm light.

Storage: Cool and dry (15-25 °C) and away from UV light. Ensure safe storage.

Disposal: Resins are considered hazardous substances. Dispose according to the local regulations. Do not dispose liquid resin through drainage or sewage systems.

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