3D Printing Resin LEYI® DMF03

【PRODUCT TYPE】 3D Printing Resin

【PRODUCT NAME】 Rapid Model

【PRODUCT MODEL】 DMF03

【PRODUCT COLOR】 Almond / Grey

【INTENDED WAVELENGTH】 385 - 405 nm

【PRODUCT DESCRIPTION】

An acrylic- based polymeric material, supplied non- sterile.

【INTENDED USE】

For fabrication of dental models using additive manufacturing processes.

【PROCESSING INSTRUCTIONS】

1. Shake the resin bottle vigorously for 60 seconds before opening to achieve full homogenization.
2. Pour required amount of resin into clean printer resin tank. Do not return resin from the tank back into the original bottle to avoid contamination.
3. Set appropriate print parameters. Reference exposure values are provided in the TDS. Note: Reference parameters are for guidance only. User shall validate parameters for individual printer setup.
4. After printing, remove parts from build platform.
5. Wash printed parts in isopropyl alcohol or ethanol (≥ 95%). Perform two-step washing process. Do not over-immerse parts.
6. Allow parts to dry completely before post- curing.
7. Perform post-curing under suitable UV-light source. Follow recommended post-curing specifications. Incomplete post-curing will compromise mechanical properties and biocompatibility.
8. Remove supports and perform finishing.

【CONTRA-INDICATIONS】

- Do not use for patients with known hypersensitivity to methacrylate-based components.
- Do not use beyond the intended use.
- Do not use after expiry date.

【WARNING】

- Uncured resin causes skin irritation, may cause an allergic skin reaction and serious eye irritation.
- Wear nitrile gloves and eye protection during all material handling.
- Avoid skin, eye and mucous membrane contact.
- In case of skin contact: wash skin thoroughly with soap and plenty of water.
- In case of eye contact: rinse thoroughly with abundant water and seek medical advice.

- Do not pour uncured resin into drains or sewer system.
- Keep away from UV-light and direct sunlight.
- For professional use only. Keep out of reach of children.

【STORAGE CONDITIONS, EXPIRY DATE AND TRANSPORT】

- Store in original sealed container in a dark and dry place at 10-30 °C.
- Do not expose to prolonged temperatures above 30 °C.
- Close bottle tightly after each use.
- Observe expiry date printed on product label.
- Do not use material after expiry date.

【INSPECTION PRIOR TO USE】

- Visually inspect resin before use.
- Do not use resin if cloudiness, precipitate, discoloration or gel particles are observed.
- Do not use if primary packaging is damaged.

【TROUBLESHOOTING】

- Sticky surface / insufficient mechanical properties: insufficient exposure or insufficient post-curing. Verify print and post-cure parameters.
- Gel particles observed in resin tank: discard resin completely. Thoroughly clean resin tank and accessories.

【WASTE DISPOSAL】

- Uncured liquid resin shall be treated as chemical waste. Do not discharge into sewage system.
- Small volumes of waste resin: fully cure by UV-exposure. Fully cured solid material may be disposed as general waste according to local regulations.
- Large volumes of liquid waste resin: hand over to licensed waste handler in accordance with local regulations.
- Contaminated containers: cure residual resin prior to disposal.

【REFERENCE DOCUMENTS】

- For complete material performance data refer to the Technical Data Sheet (TDS).
- For safety hazard information refer to the Safety Data Sheet (SDS).

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Protect from sunlight	Shake before use	Optimum operating temperature	Consult instructions for use	WARNING	Manufacturer