Generative Resin GR-13.2 LCD model



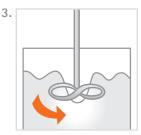
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Instructions





1. Product description

pro3dure's generative resin **GR-13.2 LCD model** is a resin for the production of dental models based on a LCD image projection system (\geq 405 nm). The formulation of **GR-13.2 LCD model** is optimized for the requirements of a robust production guaranteeing constant high quality. The material can be used for build processes with layer thicknesses from 10 up to 100 µm. It is recommended to use the pro3dure medical curing device CD-1 or CD-2 for post curing.

2. Processing

- **GR-13.2 LCD model** bottles should be well shaked before use (fig 1).
- Make sure that GR-13.2 LCD model material is temperature adjusted up to 23 °C to 30 °C.
- Carefully pour GR-13.2 LCD model into the vat of the image projection-unit (fig 2).
- Bubbles can be removed with a cleaned spatula or by a recoater routine.
- For the machine parameter adjustment please refer to the Technical Data Sheet.
- After the build process is finished a direct post treatment is recommended. If this cannot be guaranteed leave the produced objects in the liquid GR-13.2 LCD model resin.
- After cleaning of the parts with isopropanole ≥ 97 % (approx. 3-5 min. in an ultrasonic bath) the objects are postcured in an adequate light curing unit (e.g. pro3dure's CD-1 or CD-2 for a period of 3-4 min.) in a protective gas atmosphere.
- Dental models generated out of the generative resin GR-13.2 LCD model can be coated and repaired as usual. For this purpose the pro3dure products e.g. L-1 UV lacquer are recommended.
- Impurities due to operation mistakes cannot be excluded. With respect to the low viscosity of the resin it is possible to filtrate the GR-13.2 LCD model. It is recommended to filtrate and stir up the resin on a regular base. If opaque material is used additionally mix the content with a propeller mixer carefully. To avoid bubbles let GR-13.2 LCD model rest for 30 min. before usage.

Contains: Alkoxilated bisphenole-A-dimethacrylate, initiators, dyes, stabilisers, and pigments

3. Important

- To avoid detrimental effects on material quality do not expose the liquid material to irradiation under any circumstances.
- Deviations from the described manufacturing process may lead to different mechanical and optical properties of the GR-13.2 LCD model material.
- Ensure personal protective gear during processing.
- Caution: Polymerised resins are chemically resistant avoid stains on clothing!
- Avoid any contact with skin and eyes. In case of accidental contact, rinse with adequate running water, consulting a doctor if necessary.
- The lot number and the best before date are indicated on each GR-13.2 LCD model packaging. In case of claims please always indicate the lot number of the product. Do not use the product after expiry of the best before date.

GR-13.2 LCD model

Safety advice

pro3dure medical GmbH is not liable for any damages caused by improper application of the material. To be used by trained specialist personnel for the purpose indicated only.

idea to product.

Product description: photopolymerizable resin for LCD based production of dental models

Technical data:

- Colour:
- grey Density:
- ca. 1.1 g/ml
- ca. 0,7 Pa s Post cured
- material: (depends on postcuring unit) Elastic modulus: ca. 1700 MPa Flexual strength: ca. 90 MPa Elongation at break: ca. 10 % Hardness: ca. 80 Shore D



Ordering information:

Standard packing:

1 kg bottle, grey item no.: D1001605

These data result from measurements of a representative sample, which were determined within the scope of our quality assurance.