



Address: Cra. 53 N° 50-09
Guarne (Antioquia) COLOMBIA.
Telephones: (57-60-4) 550 00 00 - 403 87 60
Fax: (57-60-4) 551 31 34
infocolombia@newstetic.com

TECHNICAL DATA SHEET PORTUX 3D MODEL 2.0 DPFTPT-161

1. PRODUCT OVERVIEW

Low-odor, low-viscosity light-curing resin made with dental-grade raw materials, suitable for manufacturing dental models with excellent precision and definition, faithful to the digital design. Models printed with PORTUX 3D MODEL 2.0 resin are ideal for all types of dental restorations. This product is compatible with DLP stereolithography printers with wavelengths of 385 and 405 nm, and 405 nm monochrome LCD stereolithography.

2. COMPOSITION INFORMATION

- Mixture of acrylic resins.
- Polymerization initiators.
- Pigments.

3. PRODUCT PROPERTIES

- Flexural strength: >70 MPa.
- Flexural modulus: >1900 MPa.
- Viscosity: 160 – 240 cP
- High degree of stability, ensuring minimal product separation.

4. USE AND APPLICATIONS

This resin can be used to print models for use in dental laboratory work, such as:

- Simple dental models.
- Die-cut dental models.
- Geller die-type models.
- Models for thermoforming processes.

5. PRODUCT QUALITY ASSURANCE

Internally, New Stetic SA has strict standardized internal controls in the manufacturing of its products, in order to guarantee optimal quality for the customer.

In addition, it has qualified personnel in the Quality Control area, where compliance with final product specifications is verified in accordance with established regulations. It also relies on physical resources such as calibrated equipment.

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6. INSTRUCTIONS FOR USE

- Shake the container for at least one hour on a mechanical vibrator or roller before opening the product for the first time. This ensures proper operation in the printer and color reproducibility.
- Shake the resin vigorously before pouring it into the printer.
- Print with resin, carefully following the operating and usage instructions for your printer.
- Post-processing of printed models:
 - Clean the models in isopropyl or ethyl alcohol, preferably using ultrasonic equipment or a stirrer to facilitate cleaning. Immerse the prints in a container of used alcohol for 5 minutes and then immerse them in clean alcohol for the same amount of time. It is recommended to use compressed air between cleanings to remove excess resin from cavities or critical areas of the model.
 - Remove the models from the alcohol and dry them with compressed air or in an oven at 40°C for 30 minutes. **IMPORTANT:** *Avoid curing damp or wet models, as this will affect the final precision and definition of the parts.*
 - It is recommended to cure the pieces under UV light for at least 15 minutes to achieve maximum strength.
- After printing, it is recommended to return the resin to its original packaging.

7. COMMERCIAL PRESENTATIONS

The commercial presentation of PORTUX 3D MODEL 2.0 resin is in containers of 250 g, 500 g and 1 kg.

8. STORAGE AND PRESERVATION CONDITIONS

The product must always be kept in its original packaging, protecting it from the following conditions.

- Direct exposure to sunlight or LED.
- Sources of heat or high humidity.
- Dust or other type of contaminant.

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