

# (BESMILE Model Resin)



## Instructions For Use

(V0.0.0)

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## 1. PRODUCT DESCRIPTION

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This product is a light-curable polymerizable resin composed of acrylic resin, acrylate monomer, photoinitiator, and additives. It is designed for making high-precision dental models.

## 2. INDICATIONS FOR USE

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*Intended for the fabrication of:*

- *Aligner model*
- *Retainer and Tray models*
- *Removable die and Wax-up models*
- *Implant models*

## 3. PERFORMANCE SPECIFICATIONS

Appearance	Homogeneous liquid, free of suspended matter or impurities.
Viscosity	100~1500 mpa·s (at room temperature)
Density	1.10 ± 0.5 g/cm³

## 4. HANDLING AND PROCESSING

1. **Protection:** Ensure you are wearing overalls, gloves, and protective eyewear before use.
2. **Mixing:** Shake the bottle vigorously before adding resin to the tank. For resin already in the tank, stir gently with a soft wiper.
3. **Printing:** Follow the 3D printer manufacturer's operating procedures.
4. **Cleaning:** After printing, wash the model using **Isopropyl Alcohol (IPA) 95% or higher**.  
**Caution:** Do not immerse the model for more than 10 minutes. 5-8min is recommend. Dry thoroughly with compressed air.
5. **Post-curing:** Models must be post-cured in a curing unit to achieve final strength and biocompatibility.

## 5. SAFETY AND STORAGE

- **Contra-indications:** Do not use if the patient is known to be allergic to any ingredients. Avoid direct contact of uncured material with skin.
- **Warnings:** In case of contact with eyes or skin, flush immediately with plenty of water and seek medical attention if necessary.
- **Storage:** Store in a dry, sealed environment protected from light (15°C - 30°C).
- **Disposal:** Liquid resin should be cured by sunlight before being disposed of in accordance with local regulations.

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