



Castable Resin

Photoreactive Resin for Dazz 3D D100 Printer

Technical Data Sheet

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Dazz 3D Castable Resin is designed to produce highly detailed parts with crisp features, such as Jewelry, Dental, Watch , Toy, etc. Fast solidification, fast burn, no remains, high accuracy, high toughness, low shrinkage rate, good dewaxing casting quality.

1.Applications

Jewelry, Dental, Watch , Toy, etc.

2.Technical Data

1)Physical Properties of Liquid Resin

Item	DIR G20
Appearance	Green/ Yellow, Liquid
Density (25℃)	1.05±1.13g/cm ³
Viscosity (25℃, cps,NDJ-8S)	150-200MPa·s
Cured Thickness Rang (mm)	0.02-0.10
Recommend Thickness (mm)	0.025-0.1

2)Properties of Cured Resin

Line Shrinkage	1.05-1.35%
Volume Shrinkage	4.06-5.08%
Notched Impact Strength	44-49j/m
Tensile Strength	42-63MPa
Break tensile strain	11-21%
Tensile Modulus	1.86-2.645MPa
Bending Strength	49-59MPa
Wavelength	355-410nm
Hardness Shore D	65 D
Glass Temperature	78 °C
Burning Temperature	400 °C
Heat Distortion Temperature	120 °C
Thermal Expansion Coefficient	95*E-6

3.User Guide

- 1)To reduce the risk of pigment settling, resin containers should be gently shaken before using.
- 2)The remaining liquid resin in the tank can be used for your next print, but should not be returned to the original bottle or cartridge to avoid potential contamination. Keep unused resin in the resin tank. The orange acrylic of the tank and printer cover will protect your unused resin from ambient light.

4.Safety Precautions

- 1)**Eye Contact:** Immediately flush with plenty of clean water (under eye lids) for at least 20 minutes.

Hold eyelids apart to ensure flushing. Washing within one minute of contact is essential to achieve maximum effectiveness. Seek medical attention immediately.

2)Skin Contact:Remove contaminated clothing and rinse contact area thoroughly with soap and water.

3)Dazz 3D resin is not approved for use with food, drink, or medical application on the human body.

4)For additional information please see the Material Safety Data Sheet.

5.Packing Specification: 1L / bottle

6.Storage

Store resin in a cool, dry place out of direct sunlight. Keep containers closed. Shelf-life is 6 months from receipt at 50–82 °F (10–28 °C). .For optimal printing, do not exceed this range in storage.