

Designed specifically for temporary crowns and bridges

## 3D printing temporary crowns and bridges resin

**Colours:** A1、 A2、 A3

**Wavelength:** 405nm

- Natural color, color: A1, A2, A3
- Safe, passed toxicity test, biocompatibility test
- Antibacterial, resistant to the corrosiveness of the oral environment
- Fast production, it only takes 50 minutes to print 88 crowns
- Strength > 55mpa



content	Data value	testing method
viscosity	350-420cps(25°C)	ASTM D1084-1997
density	1.25	ASM D1875-69(1980)
shrinkage	< 0.5%	Capillary method
hardness	85D	ASTM D2240-05(2010)
Water absorption	0.5%	ASTM D570
bending strength	55MPa	ASTM D 1781
Flexural modulus	1600MPa	ASTMD747
Biocompatibility	TEST PASS	ISO10993-1/ISO10993-10
Cytotoxicity assay	TEST PASS	ISO10993-5
Antibacterial	TEST PASS	



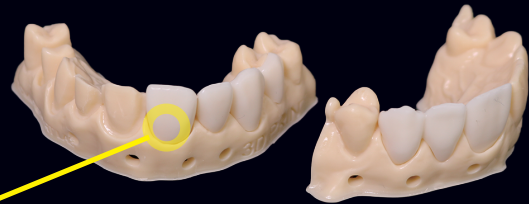
## A tooth-colored resin

3164 Temporary crown resin, IFUN formulates the color closest to the teeth according to the feedback from the dental clinic and laboratory, in line with the medical aesthetics of the oral cavity, excellent gloss and gradient color.



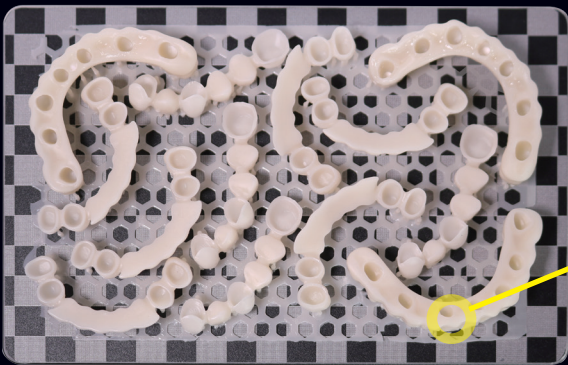
## High strength, porcelain-failure resistant

The 3164 temporary dental crown resin boasts exceptional strength, offering unparalleled durability that resists breakages even after prolonged use.



## Antibacterial, chemical resistance

Using raw materials imported from the United States and Japan, it has excellent mechanical properties and flexibility, strong resistance to deformation, strong resistance (Strength > 50M) to oral corrosion, and patients can wear it with confidence.



## Fast delivery in just 2 hours

It only takes 2 hours:  
scan to obtain oral data > design temporary crown >  
3D printing > post-processing > delivery



## Oral safety testing

#3164 Temporary Crown Resin passed the ISO10993-1/5/10 biocompatibility test, cytotoxicity test ISO10993-5, and we will continue to do more verification to ensure the safety of the product.



## Varnish treatment on the surface

by **Luxatemp** Glaze&Bond

Untreated surface after 3D printing

## Sterilization method before use

Sterilization method		
1	Electron beam	35kGy electron beam radiation dose
2	Ethylene oxide(C <sub>2</sub> H <sub>4</sub> O)	100%Ethylene oxide(55°C,180min)
3	Gamma	29-31kGy gamma radiation dose
4	Steam sterilization	Autoclave at 134°C for 20 minutes / 121°C for 30 minutes
5	Chemical disinfection	70% isopropyl alcohol for 5 minutes



**It is necessary to give the patient's medical advice during the wearing of the temporary crown:**

1. It takes 30 minutes for the temporary tooth bonding material to completely solidify, during which time no food can be bitten.
2. Eat the same food as usual, but avoid chewing sticky or hard things such as sugar cane or rice cakes, chewing gum etc.
3. Use the same flossing and brushing as normal teeth.
4. Temporary teeth are relatively thin, easily broken or often fall off. If they fall, please return to the clinic with temporary braces. We'll fix it for you, don't throw it away.
5. The color, shape and size of the temporary teeth are completely different from the final porcelain teeth, so you should not worry too much. If you feel uncomfortable wearing it, please call back or make an appointment for a follow-up appointment.
6. When encountering cold, hot, sour and sweet foods, it will stimulate the teeth through the tiny gaps between the teeth and the temporary teeth. Tooth hypersensitivity occurs. But this phenomenon does not appear on the fixed porcelain teeth.