Temporary Restoration Resin

A1/A2/A3/B1/BL1

Compatible with LCD/DLP
Material certification: FDA/NMPA(in process)
Color: A1/A2/A3/B1/BL1, customizable

Features

- Ultra high flexural tensile strength
- Easy to polish
- Color selectivity
- Low water absorption
- MMA/THF-MA free
- Excellent dimensional stability

Temporary Restoration Resin
PN-Temp
A2 White
Photopolymer UV Resin
1 Liter
Shake Before Use

Low skin irritation

low skin hypersensitivity

low shrinkage rate

good temperature resistance

high hardness

cost-effective

scratch-resistant surface

high precision

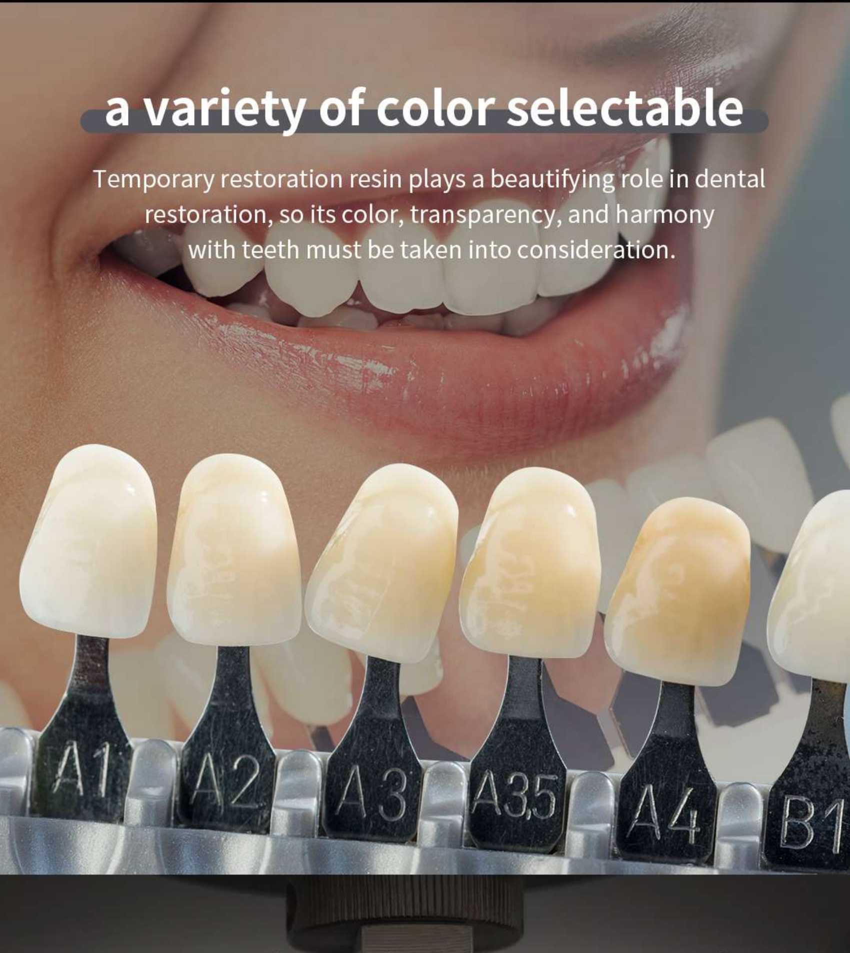
Hardness	ASTM D 2240	/	>D90
Flexural modulus	ASTM D 790	MPa	>2200
Flexural strength	ASTM D 790	MPa	>120
Tensile modulus	ASTM D 638	MPa	>700
Tensile strength	ASTM D 638	MPa	>80
Elongation at break	ASTM D 638	%	>8

Water absorption	ASTM D 570	%	<1.5

Cytotoxicity	ISO 10993-5	Allergenicity	ISO 10993-10
		Irritant	ISO 10993-10

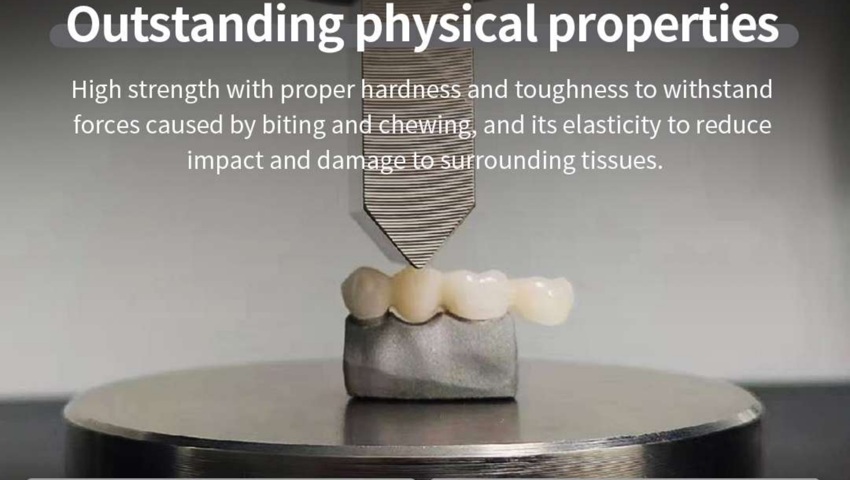
a variety of color selectable

Temporary restoration resin plays a beautifying role in dental restoration, so its color, transparency, and harmony with teeth must be taken into consideration.

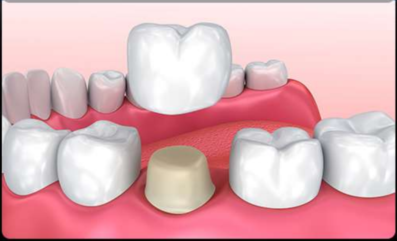


Outstanding physical properties

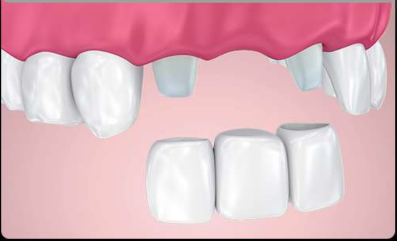
High strength with proper hardness and toughness to withstand forces caused by biting and chewing, and its elasticity to reduce impact and damage to surrounding tissues.



Dental crown



Dental bridge



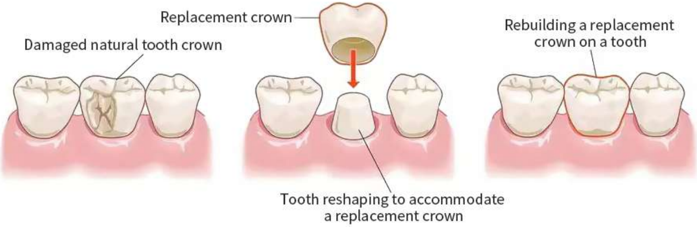
Biocompatibility

Biocompatible crowns and bridges without causing allergies and other adverse reactions, an ideal transition product before installation of final restoration.

Dental temporary crown

The temporary crown is used to repair damage or loss of teeth temporarily.

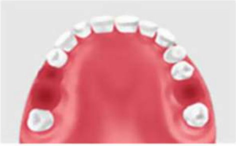
Typically it is a temporary placement to protect and beautify damaged teeth before installation of the permanent crown; Usually, temporary crowns are made from resin or other temporary materials, it is fixed on the damaged tooth with temporary adhesive.


Replacement crown
Damaged natural tooth crown
Rebuilding a replacement crown on a tooth
Tooth reshaping to accommodate a replacement crown

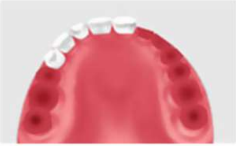
Dental temporary bridge

the dental temporary bridge is a temporary restoration for missing tooth.

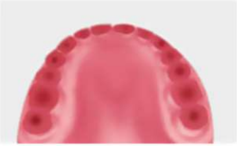
Typically it is a replacement of missing teeth to protect gums and adjacent teeth, and to prevent teeth shifting; Usually, it is made from UV resin and metal, it is fixed on the teeth with adhesive.



Multiple missing teeth



Partial edentulism

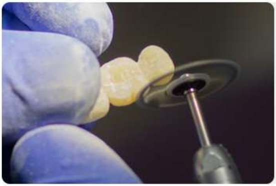


Complete edentulism

The application areas of Temporary restoration resin

The main purposes of using temporary restoration resin are for temporary repairs, trial fitting, transitional treatment, and fabrication of final restorations. These applications aim to protect the teeth, restore functionality, and enhance aesthetics.

Temporary tooth restoration



Temporary restoration resin can be used for temporary tooth restoration. For example, during the repair process, when multiple adjustments or provisional shaping are needed, temporary restoration resin can be used for temporary restoration to protect the teeth and provide an aesthetically pleasing appearance.

Trial fitting

Before undergoing tooth restoration, orthodontic treatment, or implantation, trial fitting is needed to check the suitability and aesthetics of the restoration. Temporary restoration resin can be used to make trial restorations for evaluation and adjustment by patients and dentists.

Transitional treatment

During complex tooth restoration treatment, multiple visits and multiple stages of treatment may be required. Temporary restoration resin can be used for transitional treatment, temporarily filling defects, restoring chewing function and aesthetics, while protecting the teeth.

Restoration fabrication

Temporary restoration resin can be used to fabricate trial restorations for complex restorations, allowing dentists and technicians to make adjustments and evaluations, ensuring the accuracy and aesthetics of the final restorations.

Parameter suggestion

Application parameters of Temporary restoration resin_PN-Temp

Device name	Thickness	Bottom layer exposure time	Layer exposure time	Motor speed
LCD	0.05-0.1(mm)	30-35(s)	3.0~3.4(s)	3~4(mm/s)
DLP	0.05-0.1(mm)	20-25(s)	2.0~2.3(s)	3~4(mm/s)

Post-processing parameter recommendations table of Temporary restoration resin_PN-Temp

Device name	Wavelength	Percentage of Light Intensity	Recommended time	Curing with/ without water
UV02	(365+385+405)nm	100%	20(15-25)min	Yes

A-D Shade Guide
Bleach
A1 A2 A3 A3.5 A4 B1 B2 B3 B4 C1 C2 C3 C4 D2 D3 D4

Advantages of digital dental applications

To give patient happy treating experience, and to increase work efficiency and beautify the treatment result.

The advantages of using temporary restoration resin to make temporary teeth

1. Rapid production:
A temporary restoration is made from UV resin that could be produced with 3D printing technology quickly to save the amount of time compared with traditional handmade temporary crowns.
2. High precision:
A temporary restoration is made from UV resin based on patients` oral models scanned by 3D scanners, better fit and aesthetics.
3. Good durability:
Temporary restoration made of resin typically have good wear resistance, providing a certain level of protection to the temporary restoration and extending its lifespan.

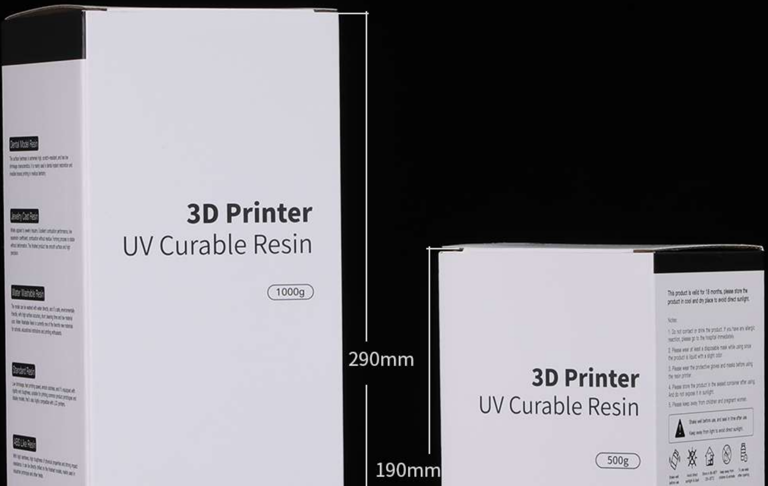
4. Strong adaptability:
Temporary restoration made of resin can be adjusted and repaired according to the patient's oral condition, better adapting to the patient's tooth morphology and occlusal relationship.

5. Cost-effective:
Compared with temporary crowns made of metal materials, temporary restoration made of resin have lower costs and are more cost-effective.

Packaging display

Note: The packaging is for reference only, there may be differences between different batches, and make the object as the standard.

1000g: 290×110×110mm | 500g: 190×100×100mm



PioNext | PIOCREAT
Resin & 3D Printer Manufacturer
110mm
PioNext | PIOCREAT
Resin & 3D Printer Manufacturer
100mm
MADE IN CHINA

Material usage notice

post-processing and washing
Safety precautions
Correct storage method

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post-processing and washing

1. The print model should be cleaned with absolute ethanol/isoprpanol using low-frequency ultrasonic cleaner. Do not use high-frequency to cleaning or scrub the model too hard, in order to avoid to cause certain damage to the surface of the model.

2. Using an air gun or hair dryer to remove the cleaning fluid on the surface of the model.

3. It is recommended to remove the support for model before the post-cure treatment. After then, is recommended to remove rest of the detailed supports and do the surface treatment.

4. Adjust the curing time according to the selected post-curing mode.

Safety precautions

1. This product is for one-time use and cannot be reused.

2. Only use it under good ventilation,please pay attention to air circulation and take protective measures when using.

3. Eye Contact: Immediately flush with plenty of clean water. If you still feel unwell after washing, please seek medical attention immediately.

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

5. 3D resin is not approved for use with food, drink.If swallowed accidentally, do not induce vomiting, keep at rest and seek medical attention in time.

6. Disposal of waste should be in acoordance with local enviromental rugulations

Correct storage method

Please storage the product below to the 25 °C, avoid exposure to the light, general illumination visible light will initiate polymerization reaction.

Do not place it in the sun exposure, humid and corrosive gas presence place.

The shelf life is 18 months.