

PioNext Photosensitive Resin Light Curing Dental Resin

Fine forming

Delicate Texture

Wide compatibility

Low shrinkage

Orthodontic dental model resin
Orthodontic dental model resin 2.0

PN-Model/PN-Model 2.0

Application: Invisible braces, Try-in model
and others dental and medical applications



Low skin irritation



low skin hypersensitivity



low shrinkage rate



temperature resistance



strong hardness



surface scratch resistance



short curing time



high precision



Low shrinkage rate



temperature resistance



strong hardness



cost-effective



surface scratch resistance



short curing time



high precision

- Low shrinkage
- Low skin allergy
- Low skin irritation



Orthodontic dental model resin

- Cost effective
- High hardness
- High precision



Orthodontic dental model resin 2.0



Low shrinkage

Can print accurately the model size according to the requirement, high degree of reduction of the model



Cost effective

The most cost-effective dental resin
for dental applications



Advantages of digital dental applications

High accuracy, high production efficiency and low cost

Traditional production process

subtractive manufacturing technology

1. Powder waste and noise pollution
2. Many process and high cost
3. Long period of time and low production efficiency
4. Depends on technician experience
5. Difficult to personalize
6. Inaccurate and can be affected by complex shapes

3D printing process

additive manufacturing technology

1. Safe and ecologic, easy to operate
2. Simple process and low cost
3. Short period of time and high production efficiency
4. Digital manufacturing, shortened technicians training period
5. Able to achieve fast small batch production
6. Extremely accurate, unaffected by complex shapes

Packaging display

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



No inner plug,
coveniente
opening

bottle thickned,
difficult
to be dent

Opaque black
with full blackout



Material usage notice

post-processing and washing
Safety precautions
Correct storage method

post-processing and washing

1. The print model should be cleaned with absolute ethanol/isopropanol 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 accordance with local environmental regulations

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.

One year warranty

Parameter suggestion

Application parameters of orthodontic dental mold resin

Device name	Thickness	Bottom layer exposure time	Layer exposure time	Motor speed
DJ89	0.05-0.1(mm)	30-40(s)	2.5~3(s) Suggest 2.7s	5(mm/s)
D128	0.05-0.1(mm)	30-40(s)	3(s)	5(mm/s)
D150	-	-	-	-

Application parameters of orthodontic dental mold resin 2.0

Device name	Thickness	Bottom layer exposure time	Layer exposure time	Motor speed
DJ89	0.05-0.1(mm)	10-30(s)	2-3(s) Suggest 2.8s	5(mm/s)
D128	0.05-0.1(mm)	10-30(s)	2-3(s)	5(mm/s)
D150	-	-	-	-

Basic parameters

Orthodontic dental model resin

Viscosity	500 cps (@25°C)
Density	1.05~1.1g/cm (@25°C)
Hardness	D90
Flexural modulus	1480 MPa
Flexural strength	52 MPa
Tensile modulus	1000 MPa
Tensile strength	30 MPa
Elongation at break	3%
Impact strength notched Izod	18 J/m
Heat deflection temperature	78 °C
Net weight	500g/1000g
Package size	190×100×100/290×110×110mm

Orthodontic dental model resin 2.0

Viscosity	350 cps (@25°C)
Density	1.05~1.1g/cm (@25°C)
Hardness	D86
Flexural modulus	1376 MPa
Flexural strength	87 MPa
Tensile modulus	720 MPa
Tensile strength	37 MPa
Elongation at break	6%
Impact strength notched Izod	18 J/m
Heat deflection temperature	78 °C
Net weight	500g/1000g
Package size	190×100×100/290×110×110mm