

Standard resin specifications

- **UV wavelength**
365–405nm
- **Elongation at break**
12–16%
- **Density**
1.13g/cm³
- **Molding shrinkage**
4.5–5.5%
- **Viscosity**
200–230cP.mPa.s
- **Flexural strength**
50–60MPa
- **Hardness**
84–86 HS
- **Flexural modulus**
1400–1600MPa
- **Tensile strength**
40–50MPa
- **Conservation period**
18 months

Nikas Standard Resin

Gray Color
Precision in Dental Printing



Professional Standard Resin
Trusted by Dental Labs for Accuracy and Reliability

Nikas Standard Resin

Skin Color

Natural Shade for Anatomical Models



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Realistic Tone and Fine Detail
Preferred Choice for Dental Aesthetics

Nikas Standard Resin

White Color

Perfect Clarity for Model Details



Clean Finish and Smooth Surface
Ideal for Accurate Dental Prototypes

Nikas Standard Resin

Black Color

Sharp Definition and Bold Contrast



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High Strength and Dimensional Stability
Engineered for Precision and Performance

Nikas Standard Resin

Clear Color

Transparency for Inspection
and Design



Crystal-Clear Finish
See Every Layer of Perfection

Nikas dental castable resin

Green Color

Precision in every layer



Professional dental casting resin
Exceptional Accuracy, Perfect results

Dental castable resin Specifications

■ **UV wavelength**

355-405nm

■ **HARDNESS**

85-90D

■ **Density**

1.15-1.20g/cm³

■ **Viscosity**

100-200cP·mPa·s (25 C)

■ **Flexural strength**

50-700MPa

■ **Flexural modulus**

1100-1200MPa

■ **Tensile strength**

32-62MPa

■ **Tensile modulus**

1800-2200MPa

■ **Elongation at break**

15-17%

■ **IZOD impact strength**

20-49J/m

■ **Heat deflection temp.**

80 °C

■ **Molding shrinkage**

1.88-2.45%

■ **Conservation period**

18 month

Print parameters

- **Printer Model:** LCD printer (4mw/cm²)
Layer thickness: 0.025mm
Exposure time: 4~7S
Bottom Layer: 3-5
Bottom Exposure Time: 40-70S
Lifting Speed: 60mm/min FEP
- **Printer Model:** DLP printer
Layer thickness: 0.025mm
Exposure time: 3~5S
Bottom Layer: 3-5
Bottom Exposure Time: 30-50S
Lifting Speed: 60mm/min FEP