

405 resin

Dental resin

LCD/DLP 3D printed dental mold photosensitive resin





Biodegradable



Good liquidity



Finished surface is smooth



High adaptability

Low shrinkage

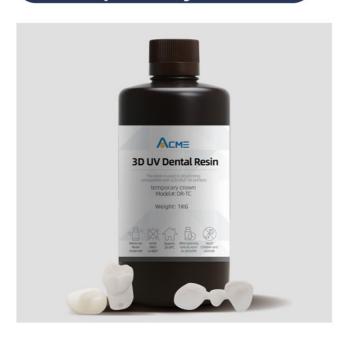
Short curing

- A 3D UV printing resin with low skin irritation and low skin allergy UV curing
- · Advantages of digital dentistry applications: high precision, high production efficiency, low cost
- · Safe and environmentally friendly, easy to operate
- · Simple process and low cost
- Short time period and high productivity
- Digital manufacturing, shortened technician growth cycle
- Fast and low-volume customization
- Extremely precise and unaffected by complex shapes

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Temporary crown



Model	DR-TC
Maximum Force (KGF)	127.30±10%
Tensile strength (MPa)	30.00±10%
Deformation of maximum force	3.65±10%

point (mm)

Yield point elongation(%) 6.36±10%v 6.45±10% Elongation at break(%) Maximum bending strength (MPa) 30.98±10% Flexural modulus of elasticity (MPa) 927.13±10% Shore hardness (D) 80~90 32±10% Impact strength(j/m) Tensile modulus (MPa) 490.91±10%

viscosity 150~250mPa·s (NDJ-8S)

Rotational viscometer (25°C)

Restoration model resin



Model DR-RM Flexural modulus 1162.23Mpa ±10%

Elongation at break 12.89% ±10% Bending strength 52.48MPa ±10%

Hardness (Shore D) 85-88

1.05-1.28 g/cm³ Density 144 j/m ±10% Notched impact strength Maximum pull 2473N ±10% 150-300MPa·s Viscosity Tensile Strength 52.7 MPa ±10% Tensile modulus 397.96Mpa ±10% 23°C±2°C Test room temperature 50%RH±5%RH Humidity in test room

Test strip test standard **ASTM**

Post curing The test paper is post-cured for 2 minutes with 200mw/cm²

405nm in water

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Crown casting resin



Model DR-CC

Flexural modulus 811.088 Mpa ±10% Elongation at break 8.853% ±10% Bending strength 39.816 Mpa ±10%

Hardness (Shore D) 85-88

Notched impact strength 133.97 J/m ±10% 6.228 ±10% Elongation at yield point 1272N ±10% maximum pull Density 1.05—1.25 g/cm³ 433.669 Mpa ±10% Tensile modulus 50-170 MPa·s Viscosity Tensile strength 30.599Mpa ±10% 23°C±2°C Test room temperature 50%RH±5%RH Humidity in test room

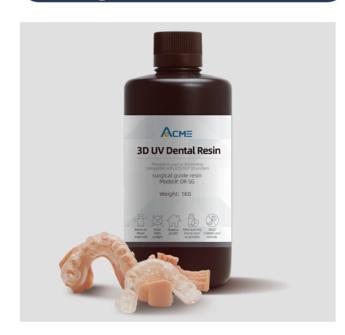
Test strip test standard **ASTM**

Post curing The test paper is post-cured

for 2 minutes with 200mw/cm²

405nm in water

Surgical Guide resin



Model DR-SG

Flexural modulus 481.96 Mpa ±10% Elongation at break 17.46% ±10% 22.08 Mpa ±10% Bending strength

Hardness (Shore D) Notched impact strength 115.2 J/m ±10% 5.22±10% Yield point elongation Maximum pull 992.5N±10% density 1.05—1.25 g/cm³ Tensile modulus 23.87 Mpa ±10% 100-200 MPa·s viscosity 312.8 Mpa ±10% tensile strength Test chamber temperature 23°C±2°C Test chamber humidity 50%RH±5%RH

Test strip test standards

Post-curing The test paper is post-cured

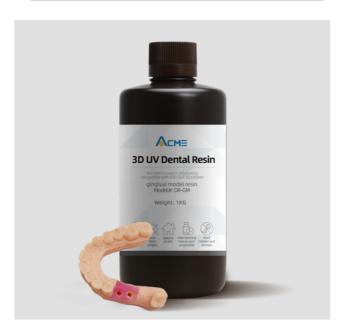
ASTM

for 2 minutes with 200mw/cm² 405nm in water

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Gingival model resin



DR-GM Model Maximum pull 55.2 N ±10% Elongation at break 110.28% ±10% Tensile modulus 1.32MPa ±10%

Hardness (Shore A) 50-60A

Tensile Strength 1.33 MPa±10% 350-550 MPa·s Viscosity 1.05—1.25 g/cm³ Density Absorption wavelength 355-410nm Test room temperature 23°C±2°C Humidity in test room 50%RH±5%RH

Test strip test standard ASTM

Post curing The test paper is post-cured

for 2 minutes with 200mw/cm²

405nm in water

Denture base model resin



Model DR-DB Maximum Force (KGF) 108.7±10% Tensile strength (MPa) 25.62±10% Deformation of maximum force 9.99±10%

point (mm)

Yield point elongation(%) 5.50±10% 17.65±10% Elongation at break(%) Maximum bending strength (MPa) 25.48±10% Flexural modulus of elasticity (MPa) 693.51±10% Shore hardness (D) 80~85 Impact strength(j/m) 118.46±10% Tensile modulus (MPa) 320.80±10% 23±2°C Temperature Relative humidity 50%RH±5%RH

Test spline standards **ASTM**

Post curing The test paper is post-cured

for 2 minutes with 200mw/cm²

405nm in water



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Orthodontic Model Resin



Model DR-OM

Flexural modulus 397.96Mpa $\pm 10\%$ Elongation at break 8.44% $\pm 10\%$ Bending strength 21.72MPa $\pm 10\%$

Hardness (Shore D) 85 D

 $\begin{array}{lll} \text{Density} & 1.05 \text{---} 1.28 \text{ g/cm}^3 \\ \text{Notched impact strength} & 74.3 \text{ j/m} \pm 10\% \\ \text{Maximum pull} & 752 \text{N} \pm 10\% \\ \text{Viscosity} & 250 \text{--} 350 \text{MPa·s} \\ \text{Tensile strength} & 18.1 \text{ MPa} \pm 10\% \\ \end{array}$

Instantaneous temperature 140°C

Tensile modulus 268.45 MPa ±10%

Test chamber temperature 23°C±2°C

Test chamber humidity 50%RH±5%RH

Test strip test standards ASTM

Post curing The test paper is post-cured

for 2 minutes with 200mw/cm²

405nm in water





Official website



Video number







lic



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