



Dental Printing Materials

Photopolymer resins



CE & FDA
Certified



Universal
Compatibility



Premium
Dental Resins



kexcelled
Printing excellence



Our story

Global 3D Material Leader

10 Years Expertise



Kexcelled specializes in the manufacture of dental 3D printing materials, producing high-quality and ultra-precise dental resins.

Kexcelled introduced Molegrid, providing customized 3D solutions for dental indications with various materials. Whether it's for creating surgical guides, denture bases, models or temporary crowns and bridges, the biocompatible resins ensure accurate and reliable results for various dental applications.

Molegrid resins are certified by CE-MDR and FDA, making them compatible with top 3D printing solution brands.

Molegrid is available in North America, Europe, Asia, and other global territories.

Laboratory resins



Model



Model G



Ortho Model



Casting Wax



Study Model



Gingiva Mask

Biocompatible resins



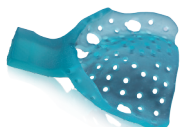
SG



Denture



Temp C&B



Tray



Try-In



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Premium
Dental Resins

Model resin enables efficient 3D printing of durable dental models, meeting various dental needs. It provides high ROI for dental practices and labs, delivering precise results crucial for patient care. This resin offers cost savings and is a valuable long-term investment.

Applications

- Full Arch Model
- Model with Dies
- Diagnostic Models
- Implant Analog Models
- Models for Aligners
- Crown & Bridge Models
- Orthodontics Models



Advantages



Accurate



Low shrinkage



Budget-friendly

ROI

32 printed models of a 1 kg bottle
23 g/set

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	300-400
Tensile strength (Mpa)	ASTM D638	42
Flexural strength (Mpa)	ASTM D790	68
Flexural modulus (Mpa)	ASTM D790	1900

Model G resin is an excellent choice for 3D printing robust dental models. It is wear-resistant and offers a high ROI for dental practices and labs. It not only saves costs but also represents a valuable long-term investment.

Applications

- Full Arch Model
- Model with Dies
- Diagnostic Models
- Implant Analog Models
- Models for Aligners
- Crown & Bridge Models
- Orthodontics Models



Advantages



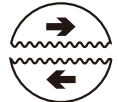
Accurate



Low shrinkage



Budget-friendly



Wear resistance

ROI

32 printed models of a 1 kg bottle
23 g/set

Property

Procedure

Specification

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	600-800
Tensile strength (Mpa)	ASTM D638	40
Flexural strength (Mpa)	ASTM D790	65
Flexural modulus (Mpa)	ASTM D790	1800

Ortho Model resin offers precision that is ideal for orthodontic models. Whether it's for clear aligners or other orthodontics applications, this resin enables you to quickly realize a return on your investment, thanks to the substantial cost savings compared to other available options in the market.

Applications

- Clear aligner models
- Orthodontic models



Advantages



Accurate



High-Speed



Efficient thermoforming release

ROI

42 printed models of a 1 kg bottle
18 g/set

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	300-400
Tensile strength (Mpa)	ASTM D638	44
Flexural strength (Mpa)	ASTM D790	67
Flexural modulus (Mpa)	ASTM D790	1950

Casting Wax resin is highly efficient, delivering accurate moldings and ensuring reliable casting results. It offers exceptional printing details and a secure margin, making the burnout process quick and easy.

Applications

- Dental casting



Advantages



Accurate



Low odor



Smooth surface

ROI

250 printed models of a 1 kg bottle
3 g/set

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	300-400
Impact Value (J/m)	ASTM D256	34.16
Hardness (shore A/shore D)	ASTM D2240	68D
Ashes (‰)	ASTM E 1131	0.0-0.5‰

Study Model resin ideal for cosmetic dentistry, oral surgery, and orthodontics planning, helps understand patients' dental issues in advance. Lowest-priced dental resin, making 3D printing in dentistry more affordable,

Applications

- Study Models
- Diagnostic Models



Advantages



Accurate



Budget-friendly



Precise

ROI

10 printed models of a 1 kg bottle
75 g/set

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	300-400
Elongation at Break (%)	ASTM D638	10%
Flexural strength (Mpa)	ASTM D790	65
Flexural modulus (Mpa)	ASTM D790	1890

Gingiva Mask Ideal for gingival masks, it is not only convenient and removable, but also exceptionally functional. It boasts a remarkable natural appearance, closely resembling real human gum.

Applications

- Gum tissues/Gingiva masks



Advantages



Accurate



Flexible



Realistic Appearance

ROI

1400 printed models of a 1 kg bottle
0.5 g/set

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	600-900
Elongation at Break (%)	ASTM D412	382%
Hardness (shore A/shore D)	ASTM D2240	30A
Tear Strength (kN/m)	ASTM D624	8.45

SG Ideal for fabricating transparent surgical guides, enabling doctors to place implants with utmost precision. Additionally, SG resin is biocompatible, meaning it is safe to use within the human body without causing any adverse reactions or complications.

Applications

- Surgical guides



Advantages



Biocompatible



Easy to Polish



Precise

ROI

68 printed models of a 1 kg bottle
11 g/set

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	550-700
Elongation at Break (%)	ASTM D638	10%
Flexural strength (Mpa)	ASTM D790	84
Flexural modulus (Mpa)	ASTM D790	2537

Denture resin offers a cost-effective solution in producing durable and resilient denture bases that far surpass traditional methods in terms of longevity and wear resistance.

Applications

- Denture bases



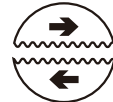
Advantages



Glossy finish after polishing



Accurate



Wear resistance

ROI

46 printed models of a 1 kg bottle
15 g/set

Property

Procedure

Specification

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	1200-1500
Flexural strength (Mpa)	ASTM D790	93.98
Flexural modulus (Mpa)	ASTM D790	2600
Hardness (shore A/shore D)	ASTM D2240	88D

Temp C&B Ideal for creating temporary restorations, single crowns, inlays, onlays, denture teeth, and veneers. This material offers easy finishing and polishing, making it a versatile choice for various dental applications.

Applications

- Temporary crowns & bridges
- Teeth for dentures



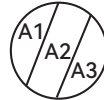
Advantages



Durable



Ultra fine prints



Available in A1 & A2 & A3

ROI

70 printed models of a 1 kg bottle
10 g/set

540 printed models of a 1 kg bottle
1.3 g/set

Property

Procedure

Specification

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	2200-3000
Flexural strength (Mpa)	ASTM D790	93.98
Flexural modulus (Mpa)	ASTM D790	2600
Hardness (shore A/shore D)	ASTM D2240	88D

Tray is a strong resin made for creating custom impression trays quickly and accurately. This tough material is designed to handle the challenges of taking patient impressions and removing the tray from the mouth easily. It works well with all types of impression materials, making it a versatile and effective option for dentists.

Applications

- Impression Trays



Advantages



Accurate



Precise



Strong

ROI

45 printed models of a 1 kg bottle
17 g/set

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	550-700
Elongation at Break (%)	ASTM D638	12%
Flexural strength (Mpa)	ASTM D790	79
Flexural modulus (Mpa)	ASTM D790	2437

Try-In resin simplifies denture fitting. It is a precision resin for 3D printing temporary trial dentures, used to assess fit, occlusion, esthetics, and phonetics during try-in appointments. The material allows for quick printing to check denture bite registration and occlusion.

Applications

- Denture try-ins



Advantages



Precise



Budget-friendly



Ultra fine prints

ROI

42 printed models of a 1 kg bottle

18 g/set

Property	Procedure	Specification
Resin viscosity (cps @25°C)	ASTM D7867	450–600
Flexural strength (Mpa)	ASTM D790	77
Flexural modulus (Mpa)	ASTM D790	2520
Hardness (shore A/shore D)	ASTM D2240	84D



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Reach out to our sales team: dental@kexcelled3d.com



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