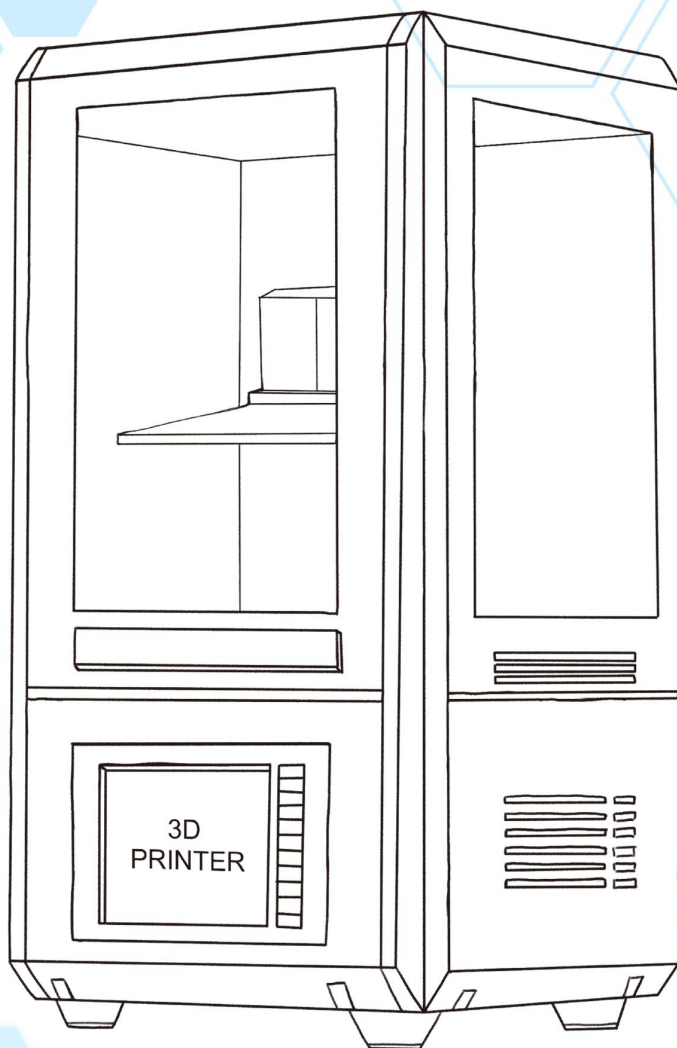




resione

3D PRINTER RESIN

Make UV 3D Printing More Practical
And Economical



Dongguan Godsaid Technology Co., Ltd.



resione

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ABOUT US

Make UV 3D Printing Solve More Problems.

Godsaid-tech was established in 2016, has been focusing on the research and development of LCD / DLP 3D printer resin, include modelling resin | engineering resin | castable resin | high temperature resin | flexible resin | elastic resin | water-washable resin | resin for dental | resin for jewelry | resin for figures etc.

We develop application-level materials suitable for 3D printing for different industries, and continuously optimize the usability and cost of the product, allowing customers to achieve greater input-output ratios.



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M70

M70 is a light salmon color high precision rigid resin, its prints have sharp details and are not easily warped.



Application

- Mini figure models
- Miniatures
- GK
- Precision components



Clear and sharp details



Not easy to
warp deformation



Precise size

Material data sheet

	METHOD	DATA
Shore Hardness	ASTM:D2240-05	89D
Heat Distortion Temperature	ASTM:D648	68°C
Tensile Strength	ASTM: D638-14	32MPa
Flexural Strength	ASTM: D790-10	51Mpa
Notched IZOD	ASTM:D256-10	6.5J/m
Elongation at Break	ASTM: D638-14	9%
Viscosity (28°C)	ASTM:D4212-10	360mpa.s

MS100

MS100 is a modelling resin with smooth surface and non-yellowing. It is very suitable for printing BJD dolls, architectural or artistic models.



Application

- BJD dolls or other figure/toy models
- Building model
- Appearance verification
- Artistic models



Very smooth surface



High printing success rate



Non-yellowing

Material data sheet

	METHOD	DATA
Shore Hardness	ASTM:D2240-05	85-90D
Tensile Strength	ASTM: D638-14	27MPa
Flexural Strength	ASTM: D790-10	39Mpa
Elongation at Break	ASTM: D638-14	12%
Viscosity (25°C)	ASTM:D4212-10	300mpa.s
Notched IZOD	ASTM:D256-10	14J/m

W90B

W90B resin is a water-washable resin, it has 6 optional colors.
The surface of white/black/gray prints are reflective,
and transparent/transparent blue/transparent orange prints look
more transparent than ordinary resin prints after cleaning.



Application

- Figures / Toys / Anime models
- Teaching model
- Appearance verification

Colour



Easy to wash
with water



More transparent
than ordinary resin



No need for
alcohol or IPA



Odorless

Material data sheet

	METHOD	DATA
Shore Hardness	ASTM:D2240-05	82D
Tensile Strength	ASTM: D638-14	35.66MPa
Flexural Strength	ASTM: D790-10	38.07Mpa
Notched IZOD	ASTM:D256-10	16.5J/m
Elongation at Break	ASTM: D638-14	18%
Viscosity (25°C)	ASTM:D4212-10	139mpa.s

M58

M58 is a light gray tough resin. It is very suitable for printing movable figure toys or assemblable parts.



Application

- Anime models
- Figures
- Action figure toys
- GK
- Functional verification
- Assembly parts
- Movable parts
- Dental models for study, and restorative applications



Sharp details
and easily observable



Scratch resistant



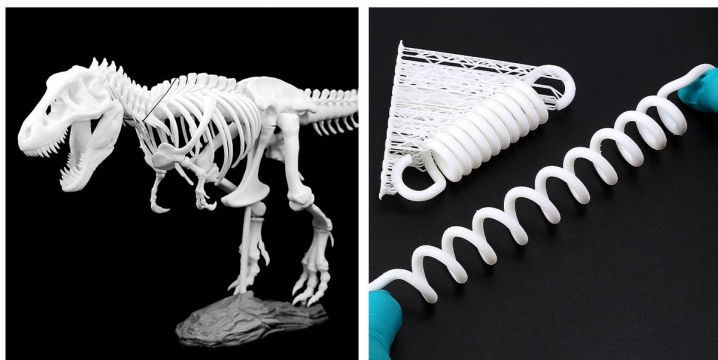
Good toughness
and hard

Material data sheet

	METHOD	DATA
Shore Hardness	ASTM:D2240-05	87D
Tensile Strength	ASTM: D638-14	48.3MPa
Flexural Strength	ASTM: D790-10	68.2MPa
Elongation at Break	ASTM: D638-14	12.30%
Viscosity (25°C)	ASTM:D4212-10	307mpa.s
Notched IZOD	ASTM:D256-10	51.4J/m

M68

M68 is a white, tough, non-yellowing resin. It is very suitable for printing product shells, building models and sculptures.



Application

- GK
- Anime models
- Action figure toys
- Product shell
- Functional verification
- Art works
- Building models
- Assembly parts



Non-yellowing



Good toughness

Material data sheet

	METHOD	DATA
Critical Exposure Value	/	4.57mJ/cm ²
Penetration Depth	/	0.125mm
Shore Hardness	ASTM:D2240-05	86D
Tensile Strength	ASTM: D638-14	54.3MPa
Flexural Strength	ASTM: D790-10	63.8MPa
Elongation at Break	ASTM: D638-14	13.90%
Viscosity (25°C)	ASTM:D4212-10	307mpa.s
Notched IZOD	ASTM:D256-10	58.1J/m

K

K is a black tough resin, it is very suitable for printing parts that require toughness and strength.



Application

- Functional verification
- Assembly parts
- Movable parts
- Product shell
- Product prototype



Sharp details



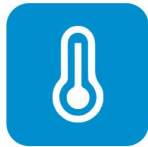
Good toughness

Material data sheet

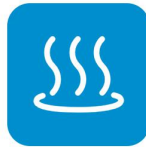
	METHOD	DATA
Shore Hardness	ASTM:D2240-05	82D
Tensile Strength	ASTM: D638-14	52.5MPa
Flexural Strength	ASTM: D790-10	60.8Mpa
Elongation at Break	ASTM: D638-14	16.80%
Viscosity (25°C)	ASTM:D4212-10	307mpa.s
Notched IZOD	ASTM:D256-10	58.4J/m

HT100

HT100 is a high temperature resistant rigid resin, the color is transparent yellow, it is suitable for jewelry, industry, electronics and consumer goods fields.



Long-term
heat resistance



Long-term
boiling resistance



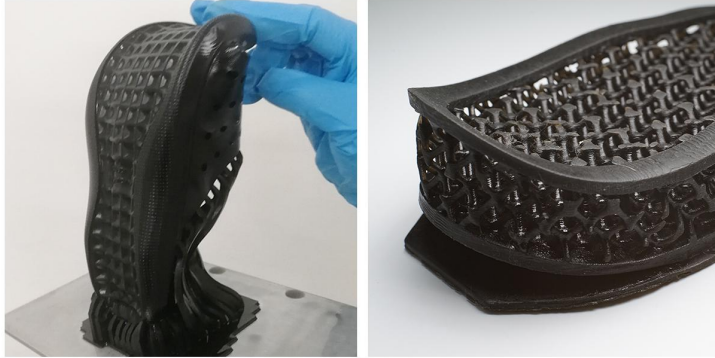
High bending
and tensile strength

Application

- Silicone rubber mold (The HT100 resin prints can withstand temperatures up to 320°F and the pressure generated during vulcanization)
- Carbon fiber mold (HT100 resin prints are used as a mold for making carbon fiber parts, and can withstand pressure and high temperature for 3 hours in an environment of 120°C/248°F)
- For making tools for small run injection molding
- Heat-resistant electronic equipment parts or circuit components
- Items to be metallized, or tested for high temperature gas and liquid applications
- Some tests in outdoor environment

F69

F69 is a black flexible resin. It has excellent tear strength and elongation at break, and the texture is similar to rubber.



Application

- Prototypes of shoes
- Cushioning parts
- Airtight parts
- Wearable devices



High elongation



Tear resistance



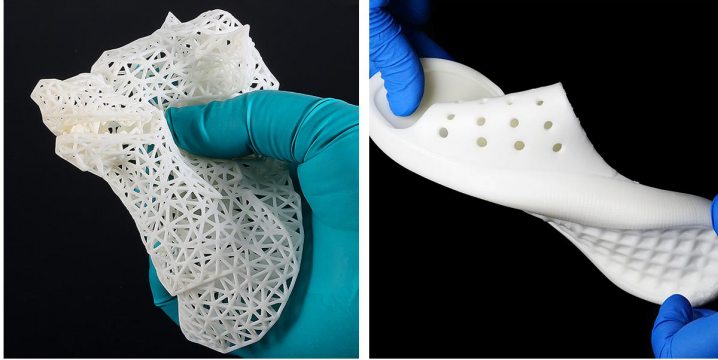
Easy to print

Material data sheet

	METHOD	DATA
Shore Hardness	ASTM:D2240-05	60~75A
Tear strength	ASMT:D624-98	47.2KN/m
Tensile Strength	ASTM: D412-06	7.9MPa
Elastic Modulus	ASTM: D412-06	2.0Mpa
Elongation at Break	ASTM: D412-06	255.1%
Viscosity (25°C)	ASTM:D4212-10	980mpa.s

F39

F39 is a white flexible resin. It has excellent tear strength and elongation at break, and the texture is similar to rubber.



Application

- Prototypes of shoes
- Wearable devices
- Cushioning parts
- Airtight parts



High elongation



Tear resistance



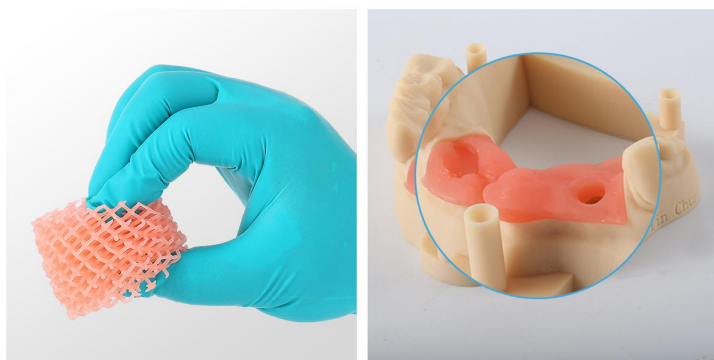
Easy to print

Material data sheet

	METHOD	DATA
Shore Hardness	ASTM:D2240-05	60~75A
Tear strength	ASMT:D624-98	47.2KN/m
Tensile Strength	ASTM: D412-06	7.9MPa
Elastic Modulus	ASTM: D412-06	2.0Mpa
Elongation at Break	ASTM: D412-06	255.1%
Viscosity (25°C)	ASTM:D4212-10	980mpa.s

F80

F80 is gum color elastic resin 3D printer resin, it looks and feels similar to gum.



Application

· Gum model



Good resilience



Gum-like

Material data sheet

	METHOD	DATA
Shore Hardness	ASTM:D2240-05	58A
Tensile Strength	ASTM: D638-14	1.7MPa
Tear Strength	ASTM:D624-98	5.7KN/m
Elongation at Break	ASTM: D638-14	80%
Viscosity (25°C)	ASTM:D4212-10	2300mpa.s

G217

G217 is a clear (slightly blue) , non-yellowing, tough resin.
After sanding off the stratification on the surface of the prints, they will become completely clear.



Application

- Visualization devices
- Artistic works
- Scientific research
- Transparent prototypes
- Anime or scene models



Clear and not yellowing



Tough

Material data sheet

	METHOD	DATA
Shore Hardness	ASTM:D2240-05	90D
Tensile Strength	ASTM: D638-14	65.3MPa
Flexural Strength	ASTM: D790-10	77.3Mpa
Elongation at Break	ASTM: D638-14	10.40%
Viscosity (25°C)	ASTM:D4212-10	396mpa.s
Notched IZOD	ASMT:D256-10	30.78J/m

D01

D01 is yellow-orange dental model resin. It is suitable for orthodontic applications, and the prints are easy to clean.



Application

- Restoration model for dental
- Study model for dental
- Orthodontic model for dental
- Implant model for dental



Smooth and
wear-resistant surface



Suitable for vacuum
thermoforming



Very easy to clean



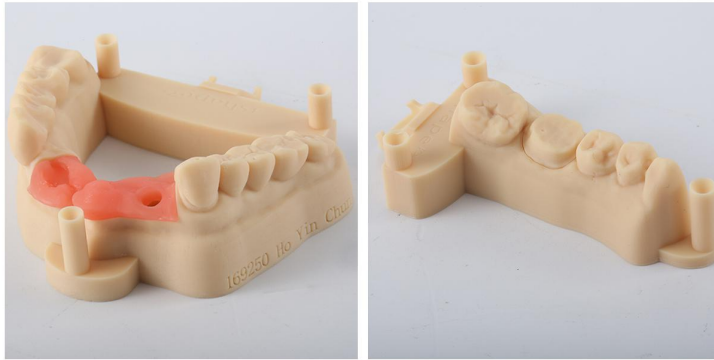
Accurate size

Material data sheet

	METHOD	DATA
Critical Exposure Value	/	4.35mJ/cm ²
Penetration Depth	/	0.15mm
Shore Hardness	ASTM:D2240-05	85-90D
Tensile Strength	ASTM: D638-14	27MPa
Flexural Strength	ASTM: D790-10	39Mpa
Elongation at Break	ASTM: D638-14	12%
Viscosity (25°C)	ASTM:D4212-10	300mpa.s
Notched IZOD	ASTM:D256-10	14J/m

D01S

D01S is a seashell color dental model resin. It has high dimensional accuracy, less shrinkage, and is not easy to generate bubbles, which is very suitable for printing dental models.



Application

- Implant model for dental
- Restoration model for dental
- Study model for dental



Smooth and wear-resistant surface



Not easy to warp deformation



not easy to produce bubbles



Accurate size

Material data sheet

	METHOD	DATA
Penetration Depth	/	0.15
Critical Exposure Value	/	4.35
Shore Hardness (D)	ASTM:D2240-05	85-90
Viscosity(25°C)	ASTM:D4212-10	300
Notched IZOD	ASTM:D256-10	14
Liquid Density	ASTM:D647-12	1.115
Solid Density	ASTM:D647-12	1.2
Flexural Strength	ASTM:D790-10	39
Flexural Modulus	ASTM:D790-10	1500
Tensile Strength	ASTM:D638-14	27
Elastic Modulus	ASTM:D638-14	/
Elongation at Break	ASTM:D638-14	12%

C01/C02

C01 and C02 are transparent green castable resins suitable for casting dental brackets, crowns and bridges.

C01 is more suitable for LCD resin 3D printers, while C02 is more suitable for DLP resin 3D printers.



Application

- Dental crowns
- Dental bridges
- Dental brackets



No ash residue after casting



Precise restoration



Supports is easy to remove

Material data sheet

	METHOD	DATA
HDT	/	75
CTE	/	95*E-6
Shore Hardness (D)	ASTM:D2240-05	80-88
Viscosity(25℃)	ASTM:D4212-10	50-170
Notched IZOD	ASTM:D256-10	44-49
Liquid Density	ASTM:D647-12	1.05-1.13
Volume Shrinkage Ratio		1.88-2.45
Linear Shrinkage Ratio		0.8-1
Tg	/	78
Flexural Strength	ASTM:D790-10	49-58
Tensile Strength	ASTM:D638-14	42-62
Elongation at Break	ASTM:D638-14	11-20