

RESINS

by ideagen3D

Transparent Resin is best for applications that require optics and lighting. Upon post curing, it has a Frosted appearance but it can be polished to near optical transparency, making it ideal for working with light or showcasing internal features. It's great for producing parts requiring translucency — and, with the right post-processing techniques, transparency.

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APPLICATIONS

- Industrial Models
- Functional Prototypes
- Automotive Parts
- High Temp. Resistance
- Case Molds
- Detailed, precise prototypes with high thermal stability

POST PROCESSING

- Sand-blasting
- Hand Sanding
- Drilling
- Priming
- Painting

TECHNICAL SPECS

Physical Properties:

Density (g/cm ³)	1.13
Rotary Viscosity @ 25°C (mPa.s)	198

Test:

D638M	Tensile Strength (MPa)	48
D638M	Tensile Modulus (MPa)	2210
D638M	Elongation at break	12%
D790	Flexural Strength (MPa)	87
D790	Flexural Modulus (MPa)	2120
D256A	Izod Impact(Notched)	28 J/m
D2240-15	Hardness (Shore D)	86
D570	Water Absorption	0.48%
D6604	Tg	45 °C
D648	HDT@0.46MPa	54 °C
D648	HDT@1.82MPa	50 °C

Mechanical Properties:

DISCLAIMER

The results presented in this data sheet are provided for information and comparison. Ideagen3D shall not carry any responsibility for injuries or any loss caused by the use of Standard White Resin by Ideagen3D. Users should still conduct their own testing to determine suitability.

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THINGS**