

Tough Grey Resin offers high precision, moderate elongation, and low creep. This material is great for concept modeling and functional prototyping, especially for parts that will be handled repeatedly. It generates parts of high hardness, similar to injection molded PBT parts. produces stiff and pliable parts that bend and spring back quickly under repeated use. This material is ideal for functional prototypes, jigs and fixtures, and connectors undergoing temporary deflection or high impacts.

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APPLICATIONS

- Industrial Models
- Functional Prototypes
- Automotive Parts
- Consumer Electronic Casing
- High impact Resistance
- Case Molds
- Repeated Use Parts

POST PROCESSING

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

TECHNICAL SPECS

Physical Properties:

Density (g/cm ³)	1.16
Rotary Viscosity @ 25°C (mPa.s)	393

Test:

D638M	Tensile Strength (MPa)	64
D638M	Tensile Modulus (MPa)	3230
D638M	Elongation at break	7%
D790	Flexural Strength (MPa)	93
D790	Flexural Modulus (MPa)	2490
D256A	Izod Impact(Notched)	42 J/m
D2240-15	Hardness (Shore D)	83
D570	Water Absorption	0.54%
D6604	Tg	64 °C
D648	HDT@0.46MPa	58 °C
D648	HDT@1.82MPa	53 °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.