

Tough Resin



Tough resin is an extremely tough ABS-like 3D printing material. Tough resin is an ideal solution for a wide variety of applications including snap-fit items and assembly applications which require some elasticity. It is a tough material, suitable for high quality prototypes of items in categories such as automotive and consumer goods as well as stable enough for production-quality end use parts. Tough resin is ideal for any application which requires a material capable of holding high stress and force. It is also capable of very high speed builds, allowing for large models to be built in under a day without sacrificing its exceptional surface quality.

| Material Properties | |
|-----------------------------|-------------------------|
| Description | Value |
| Tensile Strength | 75 MPa |
| Tensile Modulus | 4420 MPa |
| Elongation at Break | 3.5% |
| Flexural Strength | 93 MPa |
| Flexural Modulus | 2520 MPa |
| Viscosity | 365 cP at 25°C |
| Heat Deflection Temperature | 60 degree C at 1.82 MPa |
| Shore Value | 86 |
| Impact Izod | 16.5 J/m |