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Stereolithography

# Formlabs Rigid 10K

Resin for Rigid, Strong, Industrial-Grade Prototypes

## Key Attributes

This highly glass-filled resin is the stiffest material in our engineering portfolio. Choose Rigid 10K Resin for precise industrial parts that need to withstand significant load without bending. Rigid 10K Resin has a smooth matte finish and is highly resistant to heat and chemicals.

## Properties

| Property | Value (Metric) | Value (Imperial) |
|---|---|---|
| Maximum Part Size | 145 × 145 × 175mm | 5.7 × 5.7 × 6.8in. |
| Minimum Feature Size | 0.2mm | 0.008in. |
| Tensile Strength | 65 MPa | 9460 psi |
| Tensile Modulus | 10 GPa | 1480 ks |
| Heat Deflection (1.8 MPa) | 82 °C | 180 °F |
| Heat Deflection (0.45 MPa) | 163 °C | 325 °F |
| Elongation at Break | 1% | 1% |




All of the figures contained within this data sheet are approximate values and are dependent on a number of factors, including but not limited to manufacturer formulations, and machine/process parameters. The information provided is therefore not binding and not deemed to be certified.

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