

Description

A “pro” version of the standard resin, this high quality Grey Pro Resin is great for functional prototyping. It has high precision, moderate elongation, and low creep. This material is great for prototypes that need to be handled repeatedly.

Uses

- Form testing
- Fit testing
- Mold masters

Colors



Material Properties

Tensile Strength



Hardness



Brittleness



Accuracy



	Metric	Imperial
Mechanical Properties		
Ultimate Tensile Strength	61 MPa	8876 psi
Tensile Modulus	2.6 GPa	377 ksi
Elongation	13 %	13 %
Flexural Properties		
Flexural Stress at 5% Strain	86 GPa	12400 ksi
Flexural Modulus	2.2 GPa	319 ksi
Impact Properties		
Notched IZOD	18.7 J/m	0.351 ft-lbf/in
Temperature Properties		
Heat Deflection Temp @ 1.8 MPa	62.4 °C	144.3 °F
Heat Deflection Temp @ 0.45 MPa	77.5 °C	171.5 °F
Thermal Expansion (-30 to 30 °C)	78.5 µm/m/°C	43.4 µin/in/°F

**Data was obtained from Formlabs technical data sheets at formlabs.com