

### Description

Rigid resin is a long-lasting material that is highly resistant to deformation over time. It is great for printing thin walls and features. It offers high stiffness, a high quality surface finish, and is reinforced with glass.

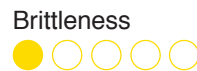
### Uses

Jigs prototyping  
 Fixtures and tooling  
 Electrical casings and housings

### Colors



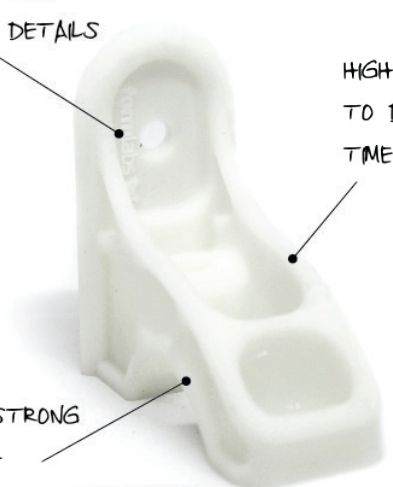
### Material Properties



GREAT FOR THIN  
AND SMALL DETAILS

HIGHLY RESISTANT  
TO DEFORMATION OVER  
TIME

SMOOTH AND STRONG  
SURFACE FINISH  
REINFORCED WITH GLASS FIBERS



	Metric	Imperial
<b>Mechanical Properties</b>		
Ultimate Tensile Strength	75 MPa	10907 psi
Tensile Modulus	4.1 GPa	594 ksi
Elongation	5.6 %	13 %
<b>Flexural Properties</b>		
Flexural Stress at 5% Strain	121 GPa	17593 ksi
Flexural Modulus	3.7 GPa	537 ksi
<b>Impact Properties</b>		
Notched IZOD	18.8 J/m	0.37 ft-lbf/in
<b>Temperature Properties</b>		
Heat Deflection Temp @ 1.8 MPa	74 °C	165.2 °F
Heat Deflection Temp @ 0.45 MPa	88 °C	190.4 °F
Thermal Expansion (-30 to 30 °C)	53 µm/m/°C	29.5 µin/in/°F

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