

MICROFINE GREEN RESIN

PRODUCT SPECIFICATIONS



PRODUCT DESCRIPTION

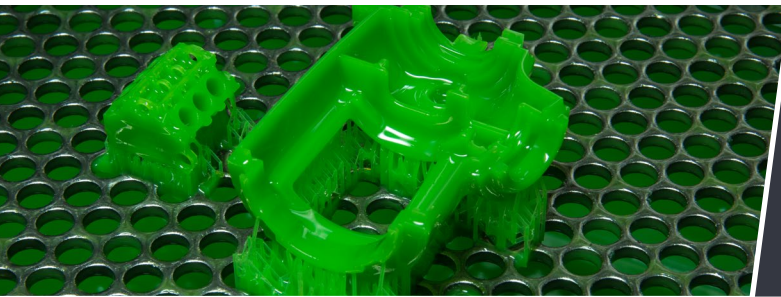
Protolabs' MicroFine Green material is an opaque green, ABS-like material. It has been custom formulated for micro-resolution stereolithography.

APPLICATIONS

MicroFine Green enables the production of parts with the finest features and tightest tolerances in the industry. Its green color allows for good part and feature visibility, and its mechanical properties make it a durable choice for small part applications.

PHYSICAL PROPERTY DATA

The following mechanical, electrical, and thermal property data was gathered from the base material used in the formulation of MicroFine Green material. Properties of the final formulated material may differ from those published below.



KEY PRODUCT BENEFITS

- Custom formulated for micro-sized parts
- Can produce features as small as 0.0025 in.
- ABS-like stiffness

PROPERTIES

ASTM Method	Property Description	Metric	Imperial
D638M	Tensile Modulus	2,100 MPa	305,000 psi
D638M	Tensile Strength at Break	44.9 MPa	6,500 psi
D638M	Elongation to Break	6.1%	6.1%
D790M	Flexural Strength	74.3 MPa	10,770 psi
D790M	Flexural Modulus	2,200 MPa	329,000 psi
D2240	Hardness (Shore D)	85	85
D256A	Izod Impact (Notched)	0.23 J/cm	0.46 ft lb/in
D570-98	Water Absorption	0.7%	0.7%
D648	HDT @ 0.46 MPa (66 psi)	59° C	138° F
D648	HDT @ 1.82 MPa (264 psi)	50° C	122° F