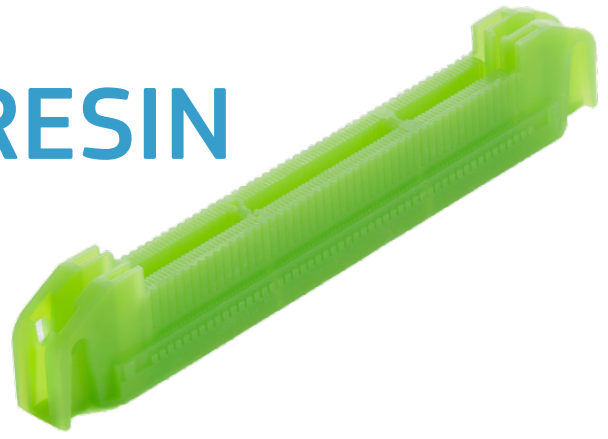


# MICROFINE GREEN RESIN

## 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 colour 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
- Ultra-high accuracy
- 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        |