

SLA

GRAY

SNAP-FIT

DURABLE

FAST

Description

RR60GR is a tough ABS like, dimensionally stable resin for 355nm Solid State Laser Systems.

Ideal for general purpose and dimensionally challenging builds. Its low viscosity with excellent re-wetting provide fast build times increasing productivity.

General Properties

Colour: Gray

Viscosity: 290 cps

Ec: 10.6 mj/cm²

Dp: 6.6 mils

Density: 1.12 g/cm³

Mechanical Properties

| | | |
|----------------------------------|--------------|---------------|
| Tensile Strength | ASTM D638 | 54 Mpa |
| Tensile Modulus | ASTM D638 | 2920 Mpa |
| Elongation at break | ASTM D638 | 4-6% |
| Flexural Strength | ASTM D790 | 85 Mpa |
| Flexural Modulus | ASTM D790 | 2670 Mpa |
| Impact Strength | ASTM D256 | 18.6 J/m |
| Notched Izod | ASTM D256 | 0.35 ft-lb/in |
| Hardness | ASTM D2240 | 81 shore D |
| Water Absorbtion | ASTM D570-98 | 0.25% |
| Heat Deflection @ 66 psi | ASTM D648 | 54 deg C |
| Heat Deflection @ 264 psi | ASTM D648 | 50 deg C |

Part characteristics and performance with layer and additive manufacturing processes are directly related to part geometry and part orientation. Part performance may vary based on application, equipment used, build orientation and operating conditions. Information contained herein is provided as guidance only and Raplas International Ltd makes no warranty as to its correctness and accuracy. Material selection is to be based upon customer trial and approval of materials or appropriate test part builds.