

SLA

WHITE

SNAP-FIT

DURABLE

FAST

**Description**

RR60WH 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:** White

**Viscosity:** 290 cps

**Ec:** 10.6 mj/cm<sup>2</sup>

**Dp:** 6.6 mils

**Density:** 1.12 g/cm<sup>3</sup>

**Mechanical Properties**

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