

SLA

CRYSTAL

SNAP-FIT

DURABLE

FAST

**Description**

RR60CR is a crystal clear, 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:** Crystal Clear

**Viscosity:** 270 cps

**Ec:** 11.2 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	52 Mpa
<b>Tensile Modulus</b>	ASTM D638	2500 Mpa
<b>Elongation at break</b>	ASTM D638	6-10%
<b>Flexural Strength</b>	ASTM D790	82 Mpa
<b>Flexural Modulus</b>	ASTM D790	2000 Mpa
<b>Impact Strength</b>	ASTM D256	21.4 J/m
<b>Notched Izod</b>	ASTM D256	0.4 ft-lb/in
<b>Hardness</b>	ASTM D2240	83 shore D
<b>Water Absorbtion</b>	ASTM D570-98	0.25%
<b>Heat Deflection @ 66 psi</b>	ASTM D648	55 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.