

# RAPLAS

RAPID MATERIALS FOR A RAPID WORLD

SLA

WHITE

SNAP-FIT

## EP-RR60WH

DURABLE

FAST

### Description:

EP-RR60WH is a tough ABS like, dimensionally stable resin for 355 nm 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

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 Absorption	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.