

SLA

CLEAR

BPA-FREE

BIO

MEDICAL

Description

RaplasPrint Bio is a BPA-Free, tough, dimensionally stable resin for 355nm Solid State Laser Systems.

Ideal for the manufacture of medical devices, hearing-aids, drill-guides and other applications requiring medical conformity. Other colors available upon request.

General Properties

Colour: Clear

Viscosity: 1760 cps

Ec: 18.5 mj/cm²

Dp: 6.9 mils

Density: 1.1 g/cm³

Mechanical Properties

Green Hardness	ASTM D2240	75 Shore D
Cured Hardness	ASTM D2240	83 Shore D
Flexural Strength	ASTM D790	84 Mpa

Medical Conformity

Medical Devices	93/42/EEC	Class IIa, R5, S2
Biological	ISO 10993	Part 1/5/10
Bisphenol A	BPA	BPA Free

Post-processing: Pre-cleaning with isopropanol for 3 mins in an ultrasonic bath, venting canals with compressed air, main-cleaning with isopropanol for 3 mins in an ultrasonic bath, blowing off the remaining isopropanol and drying for 30 mins at approx. 40°C.

Post-curing: Standard UV Post Curing Unit or Xenon Photoflash Unit.

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.