

Indications for Use: KeyGuide® is a stiff, biocompatible (class I) 3D Printing resin designed to create surgical guides. The material is stiff and durable to withstand the forces of guided surgery in the oral cavity.

Product Description: KeyPrint® KeyGuide® is a light-curing resin for the fabrication of biocompatible dental surgical guides to be used in DLP 3D printers utilizing wavelengths between 385nm - 405nm.

CHARACTERISTICS

- Biocompatible
- Superb accuracy for precise implant placement
- Clear for maximum visibility
- Autoclavable for sterilization

	TESTED PROPERTY	STANDARD/METHOD	RESULT
ASTM	Flexural Strength	ASTM D790	106 MPa
	Flexural Modulus	ASTM D790	2400 MPa
	Elongation at Break	ASTM D638	6.3%
	Shore D Hardness	ASTM D2240	95 D
ISO	Biocompatibility	ISO 10993-5	PASS
		ISO 10993-10	PASS

These data are typical values and were determined through testing on DLP printers which are validated for use with Keyprint® products. Mechanical properties will vary based on machine, part orientation, machine type, machine power, post-curing of the printed parts, and cleaning. See sterilization guide for guidance on autoclave process. Improper use or failure to adhere to the instructions for use may result in variations of color and mechanical properties. This product is suitable for the manufacturing of partial and full-arch surgical guides. Keystone Industries reserves the right to change material characteristics, and formulation without prior notification.

Composition: methacrylate, photo-initiator, inhibitor, and pigments

Validations: See Keystone's website for validated printers and post cure units

This data was determined in accordance with ISO and ASTM standards and are pursuant to Keystone Industries quality system. This document is valid without signature.