

SurgiPro

Technical Data Sheet (TDS)

Product Description:

SurgiPro is a biocompatible certified Class I material, developed for the production of high precision surgical drill guides for use in implant surgery. The results produced by combining SurgiPro with Resinify Technology LLC technology are superior to traditional methods of manufacturing implant placement guides. High-resolution 3D printing allows for precisely targeted placement of implants during surgery. Drill sleeves may be inserted directly after printing, with excellent fit.



Applications:

SurgiPro is ideal for:

- High precision surgical drill guides
- Implant surgery
- Precisely targeted placement of implants during surgery



Storage and Handling:

Store in a dark environment when not in use.
Preheat the material before each print for better printing results.
Cool the material down after the print is finished.
Mix the material with a material mixing card before starting a new job.
Remove the material from the material tray and carefully pour it into a spare dark bottle.

Safety:

Always wear gloves when handling uncured material and alcohol.
Ensure proper ventilation when using the material.
Refer to the Safety Data Sheets (SDS) for detailed safety instructions.

Warning:

Some materials used for washing may be flammable. Do not wash parts in proximity to any potential ignition source.

Regulatory Compliance:

Complies with relevant industry standards and regulations.

Manufacturer:

Resinify Technology LLC. Detroit, Michigan 48239 USA

Property	Value	Method
Ultimate Flexural Strength	79 - 85 MPa	ISO 20795-2
Flexural Modulus	2059 - 2030 MPa	ISO 20795-2
Water Sorption	30 - 32 $\mu\text{m}/\text{mm}^3$	ISO 20795-2
Water Solubility	0.5 $\mu\text{m}/\text{mm}^3$	ISO 20795-2
Viscosity @ 30°C	230 - 330 cP	
Cytotoxicity	Passed	ISO 10993-5
Irritation and Skin Sensitization	Passed	ISO 10993-10