DENTAL NIGHT GUARD RESIN

RESINIFY TECHNOLOGY
THE ULTMATE 3D PRINTING SOLUTION

GuardPro
Technical Data Sheet (TDS)

Product Description:

GuardPro is a biocompatible, crystal clear material for the production of accurate splints and retainers. The results produced by combining GuardPro with Resinify Technology LLC technology are superior to traditional methods of manufacturing bite guards and night guards. It is a clear material, allowing for maximum visibility. High-resolution 3D printing allows for precise fit. Finally, the cost of high-quality splints and retainers can be dramatically lower in comparison to previous machining methods, making Resinify Technology LLC the clear choice for any digital dental laboratory.

Applications:

GuardPro is ideal for:

- **Splints and retainers**
- **Bite guards and night guards**

Standards or Methods:
ISO 20795-2 for Ultimate Flexural Strength, Flexural Modulus, Water Sorption for Viscosity
ISO 10993-5 for Cytotoxicity
ISO 10993-10 for Irritation and Skin Sensitization

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
Ultimate Flexural Strength, MPa	79-85
Flexural Modulus, MPa	2050-2130
Water Sorption, µm/mm3	30-32
Water Solubility, µm/mm3	0.5
Viscosity @ 30°C, cP	230-330
Cytotoxicity (ISO 10993-5)	Passed
Irritation and Skin Sensitization (ISO 10993-10)	Passed

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