

E-Guard

Let us print your part!¹



EnvisionTEC’s FDA-approved E-Guard material is a biocompatible, crystal clear material for the production of accurate splints and retainers. The results produced by combining E-Gard with EnvisionTEC 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 EnvisionTEC the clear choice for any digital dental laboratory.

E-Guard is listed as a Class I medical device with the FDA.

Material Properties ²	
Description	Value
Flexural strength	80.9 MPa
Flexural modulus	2123 MPa
Charpy impact strength, unnotched	13.3 kJ/m ²
Elongation at break	3.81%
Water sorption	27.8 µg/mm ²
Water solubility	1.4 µg/mm ²
Biocompatibility	Biocompatible compliance
Color	RES-01-3013 Clear

Recommended 3D Printer Family ³
Perfactory Family, Micro Family

¹ Learn more at EnvisionTEC.com/printmypart

² All data provided is preliminary and must be verified by the individual user

³ May not be suitable for all machine models within a 3D printer family. Please refer to specific model online for compatibility.