

HT Support RG

Let us print your part!¹



Complex three-dimensional shapes often require a sacrificial, easily removable material as support for overhangs. A sacrificial material also eliminates the requirement of having a flat surface on the printed part to attach to the platform.

This sugar derivative can easily be processed as a melt in prolonged jobs with no measurable degradation. The material can easily be removed after printing by placing the completed part in a distilled water bath at room temperature, dissolving the sacrificial material away completely within a few minutes.

The material is biocompatible and cell friendly, ensuring that residue material does not negatively affect the final object's biological properties.

Material Properties ²	
Description	Value
Material Type	Sugar Derivative
Curing System	Phase Transition
Appearance (Color)	Transparent With a Yellowish Tint
Appearance (Form)	Powder
Molecular Weight	< 500 Da
Solubility	Water (20° C)
Processing Temperature	150°C
Printing Surface	Polyimide Film, Cardboard
Processing parameters available for	0.2mm / 0.3mm / 0.4mm needle tips
Printing Speed (at 1 bar pressure)	14 - 8.5 mm/sec
Grade	Research Grade
Degradation Period in biological systems	Dissolution within Minutes in Water

Typical Application
Water Soluble Support Material

Recommended 3D Printer Family
3D-Bioplotter

¹ Learn more at EnvisionTEC.com/printmypart

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