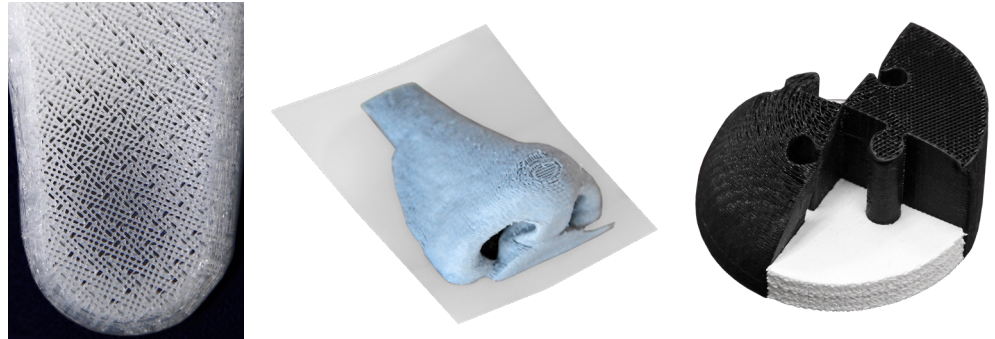


Let us print your part!¹

Silicone TG



Silicone was the first material printed by the prototype 3D-Bioplotter in 2000.

This very versatile material can be used for numerous demo applications: from trying out new shapes and patterns using a cheap material; through making technical parts (e.g. gaskets); to medical device casings.

There are also many medical applications for silicones: from soft implants (e.g. ears, noses, breasts); through wound dressings; to surgical planning models, amongst others.

With a medium curing time of a few hours and different colors out of the box, this technical grade silicone is mainly aimed at demo applications. This silicone displays low shrinkage, a medium hardness around 20 Shore and has no smell, making it an excellent material for large parts.

Material Properties ²	
Description	Value
Material Type	Silicone
Curing System	RTV, Tin Cured
Appearance (Color)	Transparent / White / Gray / Black
Appearance (Form)	Gel
Viscosity	1.900.000 mPs
Solubility	None after curing
Processing Temperature	Room Temperature
Printing Surface	Polypropylene Film
Processing parameters available for	0.2mm / -/25mm - 0.3mm / 0.4mm / 0.8mm needle tips
Printing Speed (at 2 - 5 bar pressure)	6.5 - 40.5 mm/sec
Grade	Technical Grade
Degradation Period in biological systems	No degradation measurable.

Typical Application
Demo material, Technical MCAD, Surgical Models

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