

Structomer[®] Guide



Mechanical Property

Metric

Tensile Modulus - ISO 527-1:1996	1000 - 1200 MPa
Tensile Strength - ISO 527-1:1996	45 - 60 MPa
Elongation At Break - ISO 527-1:1996	4 - 6 %
Flexural Modulus - ISO 178:2010	400 - 500 MPa
Flexural Strength - ISO 178:2010	70 - 85 MPa
Hardness Shore D - ISO 868:2003	80 - 90
Viscosity at 23 °C	80 - 140 mPa·s

^ All provided data is from measurements conducted by Structo Pte Ltd.



Structomer[®] Guide is a biocompatible 3D printing material for the fabrication of drilling templates and surgical guides for dental implantology. The transparent yellow formulation of the material enables visual control in the working area. Structomer[®] Guide is a Class I EU medical device that possesses good flexural strength and surface hardness. It is formulated specifically for quick and precise printing of dental surgical guides that are for temporary use only. The material's low viscosity property ensures that any residual material on the printed device flows off quickly allowing for easy cleaning and low material wastage. As a Medical Device Manufacturer, Structo is compliant to ISO 13485:2016 and satisfies all applicable regulatory requirements of the respective countries in which the device is being sold. Structomer[®] Guide is thus the ideal material for use in any dental implantology workflow for surgical planning. Available in yellow transparent colour and comes in 1 kg container.