

Spectroplast TrueSil XL35-HT

A White Translucent Silicone Material for General Applications

TrueSil Silicone products are high-performance 3D printed (3DP) silicone rubber products produced by Spectroplast's proprietary Silicone Additive Manufacturing (SAM) technology. These silicone elastomers are made of 100% silicone and fulfill market standards in terms of performance and surface quality. TrueSil-XL was specifically developed for Cerion® by Cubicure. Showing exceptional tear strength, the product name is accompanied by the suffix -HT. Products manufactured with TrueSil XL35-HT on Cerion® are available through the On-Demand platform.

Properties	METRIC	IMPERIAL	METHOD
Shore Hardness	35A ± 10		ISO 7619-1
Young's Modulus	0.7 MPa		ISO 37 Type 4
Tensile Strength	6 MPa	870 psi	ISO 37 Type 4
Elongation	750%		ISO 37 Type 4
Tear Strength	30 N/mm	171.3 lbs/in	ASTM D624 Type C
Color	white translucent		
Cytotoxicity	Not yet tested		ISO 10993-5:2009
Skin Irritation	Not yet tested		ISO 10993-23:2021-10

Material and Manufacturing process in ongoing development therefore subject to change.

DISCLAIMER

The information contained herein is in accordance with the contemporary state of our best knowledge but does not absolve the user from carefully checking all supplies on receipt. We reserve the right to alter product specifications within the scope of technical progress and development and mechanical properties may vary from batch to batch. Persons receiving information are encouraged to make their own determination as to the information's suitability and completeness for their application. The results provide an indication of the product's potential biocompatibility, but they do not guarantee absolute biocompatibility in all circumstances. The provided information does not absolve the user from the obligation of investigating the possibility of infringement of any third-party rights. Nothing herein shall be construed as a recommendation for uses, which infringe valid patents or as extending a license under valid patents. No information contained herein constitutes a product warranty of any kind, whether expressed or implied and all implied warranties of merchant ability and fitness for a particular purpose are hereby disclaimed by Spectroplast AG.