

MATERIAL DATASHEET

Ultra Clear Silicone

Custom-developed silicone used across Swiss Vascular modules, combining optical clarity, flexibility and improved resistance to tearing and crack propagation.

MATERIAL	CATEGORY	MANUFACTURER	DOCUMENT DATE
Silicone Ultra Clear	Silicone for Modules	Swiss Vascular GmbH	March 2026

KEY FEATURES

OPTICAL CLARITY Ultra-clear silicone rubber designed for direct visual access through the module.	FLEXIBILITY Soft, flexible material suitable for complex anatomical geometries and repeated handling.	TEAR RESISTANCE Modified formulation with high tear resistance and reduced crack propagation.
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MATERIAL PROPERTIES

PROPERTY	VALUE
Color	Transparent
Shore A	23–28
Density	1.0 g/cm³
Refractive Index (25 °C)	1.41
Minimum Temperature	−20 °C
Maximum Temperature	80 °C

INTENDED USE

For laboratory, training and demonstration use only. Not a medical device and not intended for direct patient contact.