

BioCompatible®

Northwire's USP Class VI Medical-Grade Solutions

- Cost Competitive
- Short Lead Times Compared to Silicone
- Free of Pthalates, Halogens, and Latex
- Compatible to Steam, H₂O₂, Gamma, and ETO Sterilization
- Excellent Crush Resistance



ISO10993-5
ISO10993-10
RoHS3
REACH



NORTHWIRE[®]_{INC}

A LEMO Group Company



Northwire's *BioCompatic* material is a robust USP Class VI Silicone Alternative ideally suited for medical applications. This cost-effective solution reduces lead times by eliminating the need for a curing process, making it a perfect option for single-use or reusable applications.

Attributes	Silicone	Santoprene™	BioCompatic I	BioCompatic II	BioCompatic III
Specific Gravity	-	0.96	0.93	0.92	1.00
Shore Hardness "A" (+/-3)	60	65	69	55	85
Brittle Point	-	-60°C	-80°C	-80°C	-80°C
Continuous Use Temperature	~180°C	105°C	105°C	105°C	105°C
Gurney Wheel Crush Resistance	9,260 cycles	94,800 cycles	186,100 cycles	90,400 cycles	>2M cycles
Cut Resistance	50 lbs.	75 lbs.	125 lbs.	100 lbs.	150 lbs.
Retractile Applications	Poor	Fair	Excellent	Good	Excellent

Cable samples used to collect test data were 22 AWG, 4 Conductor FEP insulation with .050" jacket thickness



RETRACTABLE



TORSIONAL



ROLLING



VARIABLE

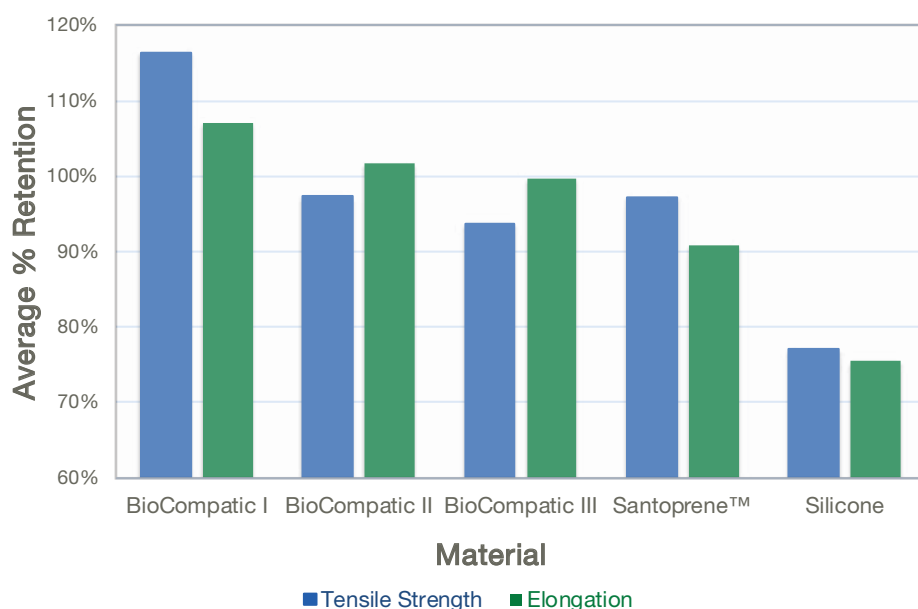


BENDING



CONTINUOUS

Average Retention Values after 502 Steam Autoclave Cycles*



*30 minute cycles at 134°C

24-hour Chemical Resistance Validated With:

- Betadine (100%)
- Cidex OPA (100%)
- Virex II 256 (100%)
- Clorox Healthcare Bleach (100%)
- Isopropyl Alcohol, IPA (99%)
- Hydrochloric Acid, HCl (36%)
- EmPower (100%)
- Metricide 30 (100%)

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