BioCompatic™

Northwire's USP Class VI Medical-Grade Solutions

- Cost Competitive
- Short Lead Times Compared to Silicone
- Free of Phthalates, Halogens, and Latex
- Compatible to Steam, H_2O_2, Gamma, and ETO Sterilization
- Excellent Crush Resistance

ISO10993-5
ISO10993-10
RoHS3
REACH

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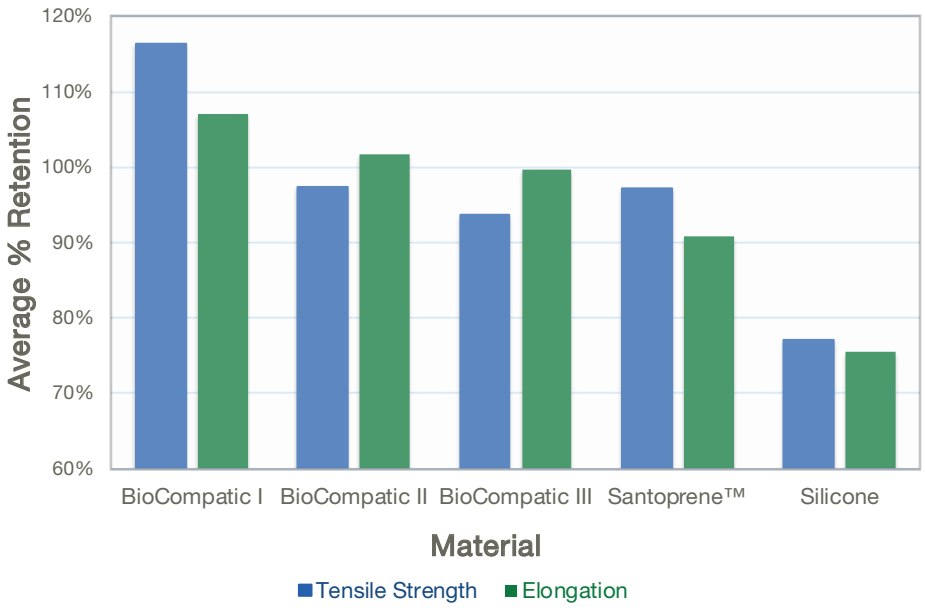
Northwire's *BioCompatic* material is a robust USP Class VI Silicone Alternative ideally suited for medical applications. This cost-effective solution reduces lead times by eliminating the need for a curing process, making it a perfect option for single-use or reusable applications.

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

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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