

BioCompatible™

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, 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

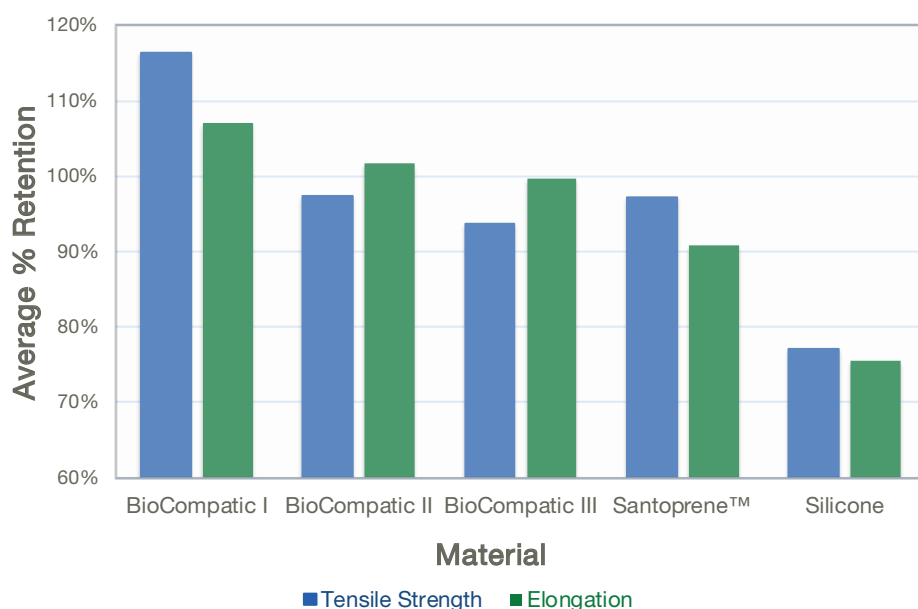


BENDING



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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