



GORE™ High-Resilience

TUBING-STYLE 100SC

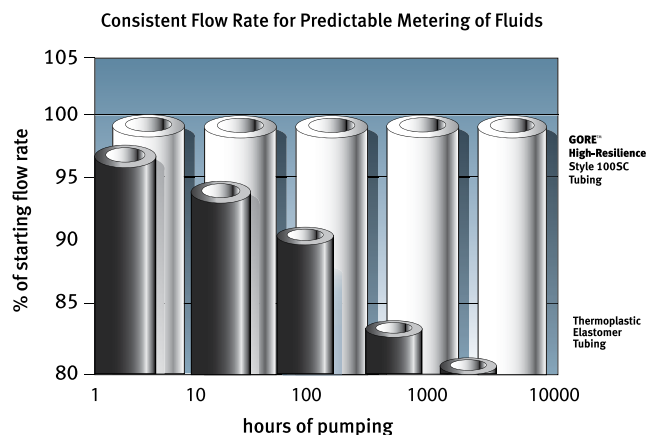
High-Performance Peristaltic Pump Tubing

RELIABLE AND PURE

GORE™ High-Resilience Tubing Style 100SC delivers the proven purity and dependable performance you need for critical fluid handling processes. These tubes ensure a consistent flow rate over time and virtually eliminate spallation. Resistance to sustained high pressure protects the tubes against bursting and contamination. Their durability enables them to last longer than other types of tubing. Manufactured to exacting standards in a cleanroom environment, these high-purity tubes are ideal for CMP slurry and DI water dispensing.

CONSISTENT PERFORMANCE

Made of a unique composite of platinum-cured silicone and expanded PTFE, the strong and flexible GORE™ High-Resilience Tubing Style 100SC will not compress, crease or distort over time. This provides a consistent flow rate, so you can precisely control the composition of the media over a longer period of time than with other types of tubing.



Flow Rate Stability versus Time of Use: The reinforced wall in GORE™ High-Resilience Tubing Style 100SC provides the mechanical strength necessary for stable flow rate over the life of tube. Standard thermoplastic elastomer tubing shows reduction in flow as soon as it is put in service.

TECHNICAL DATA

MATERIAL

Platinum-cured silicone and expanded PTFE

TEMPERATURE

-47°F to 390°F (-44°C to 200°C)

OPERATING PRESSURE

60 psi continuous to 100 psi intermittent



KEY FEATURES

- Maintains consistent flow rate
- Exceptionally long product life compared to silicone and thermoplastic elastomers (TPE)
- Enables continuous high-pressure pumping
- Virtually eliminates spallation and shedding
- Ensures purity with cleanroom manufacturing and sealed packaging

KEY BENEFITS

- Durable and dependable to reduce total costs
- Reliable metering of ingredients
- Improved process consistency and purity
- Reduced maintenance and calibration, resulting in reduced downtime
- Easy installation



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TUBING—STYLE 100SC

GORE™ High-Resilience Tubing Style 100SC offers longer life to pinch valves.



VIRTUALLY ELIMINATES SPALLATION

The composite structure of GORE™ High-Resilience Tubing Style 100SC provides superior resistance to cracking and abrasion, thus eliminating shedding and spallation. The interior is three times smoother than thermoplastic elastomer tubing, so the process stream stays clean, optimizing throughput and reducing the need for filtration.



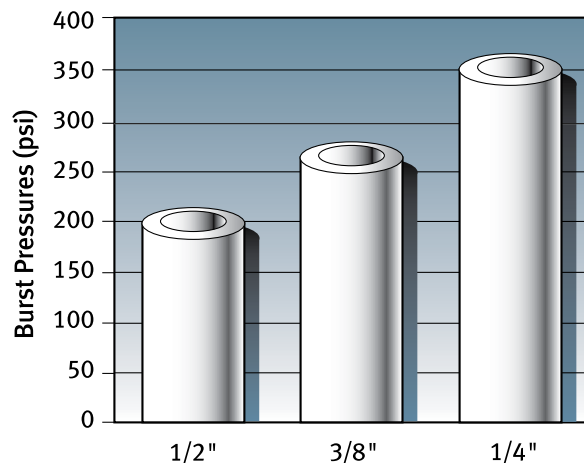
Spallation debris collected onto a microporous filter membrane after recirculating water for 48 hours through thermoplastic elastomer tubing (left) and GORE™ High-Resilience Tubing Style 100SC (right.) The thermoplastic elastomer tubing produced particles of rubber, inorganic filler and plasticizer. There was no shedding from the GORE™ High-Resilience Tubing Style 100SC.

PROVEN STRENGTH

The durability of GORE™ High-Resilience Tubing Style 100SC is significantly greater than other tubing. Its exceptional longevity means you can confidently transfer high-purity fluid with fewer changeouts and calibrations, saving time and money. Measured in a peristaltic pump with a back pressure of 60 psi (4 bars), GORE™ High Resilience Style 100SC tubing lasts through more than 1,000 hours of continuous use at 200 rpm. It lasts over 18 times longer than silicone rubber tubing under transfer conditions. It also lasts twice as long as thermoplastic elastomer tubing at 360 rpm.

The unique composition of these tubes also provides the highest pressure rating compared to non-reinforced silicone rubber and thermoplastic elastomer tubing. With burst strength approaching 360 psi (24 bars), the tubing can operate at elevated pressure for filtration, transfer and in-line steam sterilization processes. This reduces tube rupture and eliminates the need for tube rotation.

GORE™ High-Resilience Tubing Style 100SC meets your highest standards for performance, durability and purity. It increases process consistency and product integrity, while decreasing downtime and maintenance costs.



The exceptional strength of GORE™ High-Resilience Tubing Style 100SC provides exceptionally high resistance to burst pressure.

PRODUCT CONFIGURATION AND SPECIFICATION

GORE™ High-Resilience Tubing Style 100SC is available with an interior diameter ranging from 1.6 mm to 40 mm and wall thickness ranging from 0.8 mm to 13 mm.

Technical assistance, detailed selection criteria and installation guidelines are available from your local Gore distributor, or by contacting the application engineers at W. L. Gore & Associates at **800-276-8451** or www.gore.com/sealants.

Supplied By: _____

For a complete listing of local sales offices please visit gore.com

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