

CHEM-SURE™

Pump Tube

The most chemical-resistant tube



Longest-lasting tubing

CHEM-SURE™ peristaltic pump tubes last over 50 times longer than any other fluoroelastomer tubing. They operate for thousands of hours, pumping aggressive chemicals that often attack other tubing materials. This level of durability greatly reduces the risk of unexpected tube rupture, which means fewer shutdowns to replace tubing and significant increases in productivity.

Burst Resistance

The structure of **CHEM-SURE™** peristaltic pump tube provides superior burst resistance compared to conventional unreinforced extruded tubing. There is less worry about the environmental and safety risk of unexpected tube rupture in high-pressure filtration, transfer, and chemical addition operations. That is why these new tubes are an excellent choice for very demanding applications in the pharmaceutical and specialty chemical industries.

Technical Data

Material:

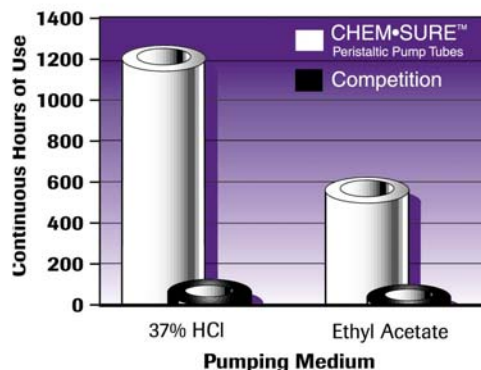
Fluoroelastomer &
Expanded PTFE

Operating Pressure

Up to 60 psi

Durability

Lasts 50 times longer than any other fluoroelastomer tubing



CHEM-SURE™ Peristaltic Pump Tubes far outlast other fluoroelastomer tubing when pumping aggressive chemicals (600 RPM, 1/8" tube bore)

Peristaltic pump tubing

Key Features

- Unique composite material
- Excellent chemical resistance
- Superior burst resistance
- Stable flow rate over time
- Compatible with sanitary fittings
- FDA food contact certified
- USP Class VI approved

Key Benefits

- Ideal tubing for aggressive chemicals
- Burst resistance expands peristaltic pump use
- Lowest solvent swell
- High purity reduces contamination
- Lasts longer
- Fewer shutdowns; increases productivity

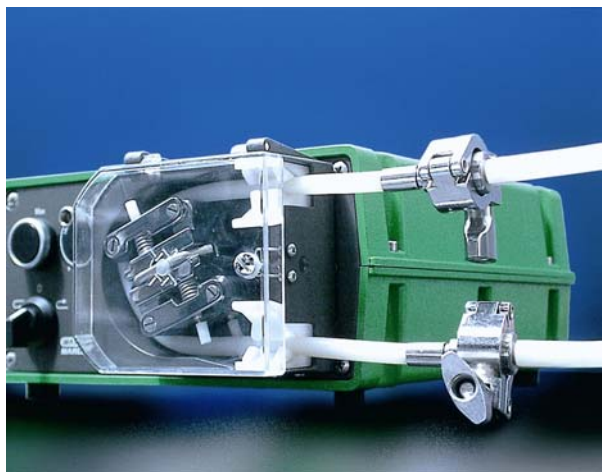


CHEM-SURE™ PERISTALTIC PUMP TUBE

Peristaltic pump tubing

Ideal tubing for aggressive chemicals

With excellent chemical resistance, **CHEM-SURE™** pump tubes handle nearly all aggressive chemicals, including organic solvents such as methyl ethyl ketone, toluene, and acetone. For years, users have known that peristaltic pumps provide a unique combination of benefits: superior metering accuracy and low maintenance. Users can now realize these benefits in solvent-based processing applications.



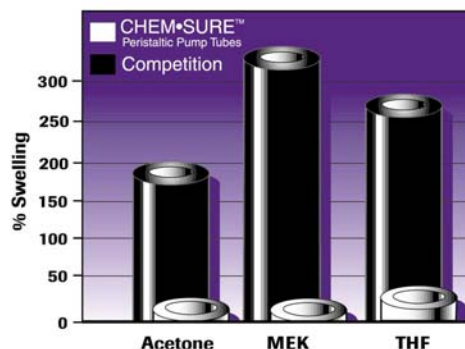
A **CHEM-SURE™** peristaltic pump tube equipped with crimped-on sanitary fittings in a Watson Marlow model 504 pump.

Sizes

Available in sizes from 1/16" (1.6mm) to 5/8" (16mm) ID

Lowest solvent swell

Pump manufacturers recommend tubes that have less than 10% volume swell for acceptable operation in peristaltic pumps in chemical service. While other fluoroelastomer tubing will swell over 300% when subjected to solvents, ASTM D471-95 immersion tests show that these pump tubes experience negligible swelling in a wide range of solvents.



Swelling tests clearly show that **CHEM-SURE™** peristaltic pump tubes are superior to other fluoroelastomer tubing (All immersion tests performed at room temperature for 170 hours)

High purity reduces contamination

CHEM-SURE™ pump tubes are among the cleanest tubes available because they are free from plasticizers, acid acceptors, and other processing aids found in competitive products.



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