

“High-performance silicone tubing for peristaltic pumps”

Low deformation – Silicone expert in the world of medical devices, Sterne has developed HighTube, a high-performance tube that meets the demanding requirements of peristaltic pumps. Manufactured by extrusion, this innovative tube offers a number of outstanding properties:

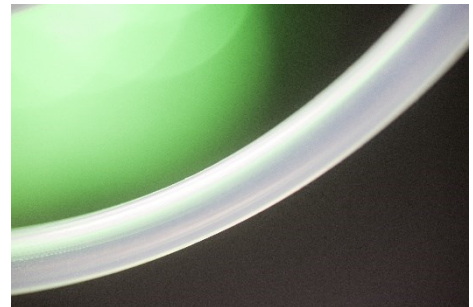
- an internal diameter from less than 1 mm to 30 mm;
- low compression set for a smooth fluid transfer flow;
- and high fatigue resistance over a wide range of temperature range.

This new tube has already convinced Algam-IAI, an Italian manufacturer of natural latex medical products. The technical characteristics of HighTube make it an ideal component for infusion pumps, among other applications.

Silicone elastomers offer major advantages for the manufacture of medical components and devices, thanks to their physical and mechanical properties that enable them to meet the challenges and rigorous standards of the healthcare sector," says Anthony Pellafof, R&D and Laboratory Manager at Sterne.

"The chemical structure of silicone gives it high thermal stability (-50°C /200°C) and environmental resistance, as well as great flexibility. Sterilizable, biocompatible and implantable in the short, medium or long term, silicone is an ally in the medical field."

www.sterne-elastomere.com
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Sterne's tube Hightube guarantees fluids' regular transfer rate.