

Sanvisil Tech

UNIQUE BUILT TO PERFECTION



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SanviSil Tech at a glance

Our product portfolio comprises a comprehensive range of silicone tubes high pressure silicone hoses and inflatable seals and conductive/ Anti-static silicone tubes and profile . Sanvisil Tech pursues goals of competitiveness and flexibility through process optimization using an approach lean manufacturing in order to adapt efficiently and rapidly to changing market conditions in order to meet so every customer demand. While providing quality services and products to its customers, the growth journey has continued through numerous acquisitions & green field projects.It is our continuous commitment to bring in new products and technologies in hoses and inflatable seals.Sanvisil Tech monitors it through all stages of production that allows and ensures traceability. From the selection of ingredients, the production of semi-finished products through all stages of production to the finished product. Each product is conceived, designed, built and tested in the company to ensure that each component meets the rigorous standards that Sanvisil Tech has emerged. In addition, tests are done to check for proper operation in harsh environmental conditions.

OUR VALUES

Core values form the basis for our day-to-day activities. With their abundant knowledge and skills, our employees throughout the world play an active role in shaping the future of SanviSil Tech on the basis of our core values. We place paramount importance on living our values in our work.

We Believe In

"WE CARE FOR OUR CUSTOMERS"

We Believe In customer first, to meet the customer needs and develop a trust.

"DEMAND IN EXCELLENCE IN TERMS OF QUALITY"

We are committed to support a strategy based on differentiation by offering innovative solutions fruit of the challenges. Sanvisil Tech arises every day to increase their experience and expertise in the field.

"TEAM WORK"

Together, we can run faster, reach higher and achieve more than any one of us can alone. when we join forces and plow through boundaries, we move mountains.

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THERMO PLASTIC ELASTOMER TUBINGS

Thermoplastic Elastomers, or TPEs, are the premier choice of soft, flexible materials due to their robust properties, cost effectiveness, and design flexibility. we offers the broadest portfolio of TPE technologies in the industry. In a more focused approach to meeting the market's needs,



our TPE product lines are aligned with the industries they serve. Standard grades meet the necessary regulations and specifications for that industry, pre-qualifying the compound for an application, and accelerating our customers' speed to market with new products.

SVT-FLEX TRA

Our SVT-FLEX TRA tubing exhibits similar characteristics to silicone tubing, however silicone can have absorption issues with certain proteins and anti-oxidants and is extremely permeable to gases. These concerns are eliminated when using our TPE Tubes.

Our TPE tubings are provide elasticity over a broad temperature range, withstand stresses of pump action over time, and, unlike silicone, are weldable and heat-sealable. More so, the new compounds include clear, translucent and opaque grades. In comparison with other TPEs, our TPEs shed lower levels of particles from the inner surface of tubing caused by repeated pump action.



"Due to its High Chemical resistance It is a first choice for applications including metering tablet-coating materials, pH control and media feed in fermentation and bioreactor metering, as well as pharmaceutical handling, dispensing, metering, transfer and filtration."

The elasticity of these compounds allows tubing to keep pace with rapid pump action, and their durability enables it to retain its shape and remain intact over time. These TPE tubings are also compatible with a broad range of chemicals and are able to be sterilised by e-beam, gamma, and ethylene oxide.

SCOPE OF APPLICATION & INDUSTRY

- Biopharmaceutical Storage
- Chest Drainage
- Drug delivery
- Catheter
- chemical Industry
- Pharmacuetical Industry
- Pulp and Papper Industry
- Print and packing Industry

FEATURES:

- High chemical Resistance
- Biocompatible and Food grade
- Coneg, RoHS and Proposition 65 compliant.
- Phthalates, PVC, BPA and latex Free.
- Free of animal-derived materials (ADM-free).

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THERMO PLASTIC ELASTOMER TUBINGS

PHYSICAL PROPERTIES (ASTM&ISO)

DESCRIPTION	Nominal Value	UNIT	TEST METHOD
DUROMETER HARDNESS			ASTM D2240
SHORE A,1 SEC	60		
SHORE A, 5 SEC	58		
DENSITY	0.885		ASTM D792
TENSILE STRESS (50% STRAIN)	198	psi	ASTM D412
TENSILE STRESS (100% STRAIN)	235	psi	ASTM D412
TENSILE STRESS (300% STRAIN)	410	psi	ASTM D412
TENSILE STRENGTH(BRAEK)	1640	psi	ASTM D412
TENSILE ELONGATION(BREAK)	662	%	ASTM D412
TEAR STRENGTH	162	lbf/in	ASTM D624
COMPRESSION SET			ASTM D395 B
73°F,22 Hr	13	%	
158°F,22 Hr	100	%	

SVT-YPRENE

SVT-YPRENE tubing is a thermoplastic-rubber product with unmatched resistance to wear and abrasion. It is therefore ideally suited for use on Peristaltic Pumps, where its greatly extended pumping life results in costs savings in both tubing expenditure and pump 'down time'. It is a non-toxic, food grade tubing which will withstand sterilisation.





It offers exceptionally long-life and resistance to a wide range of chemicals, especially oxidising agents such as ozone, peroxides and sodium hypochlorite. Due to its High Chemical resistance It is a first choice for applications including metering tablet-coating materials and media feed in fermentation and bioreactor metering, as well as pharmaceutical handling, dispensing, metering, transfer and filtration.

FEATURES:

- Non-stick/Low friction resistance.
- Wide chemical compatibility
- Opaque to UV and visible light
- Low gas permeability
- Highly resistant to acids
- Highly resistant to oxidising agents
- Temperature: -20°C up to +135°C.
- Highly durable.
- Excellent resistance to abrasion, wear and fatigue.
- Good resistance to ozone and ultraviolet radiation.
- Beige colour option is food approved and non-toxic.

CERTIFICATES:

Meets FDA 21.CFR.177.1550

PHYSICAL PROPERTIES (ASTM&ISO)

DESCRIPTION	Nominal Value	UNIT	TEST METHOD
DUROMETER HARDNESS SHORE A,15 SEC	67		TPE-0189
DENSITY	0.96		TPE-0105/1
TENSILE STRENGTH	7	Mpa	TPE-0153
STRESS 100 @ ELONGATION	2.7	Mpa	TPE-0153
TENSILE ELONGATION(BREAK)	520	%	TPE-0153