

SILICONE IV CANNULA TUBING

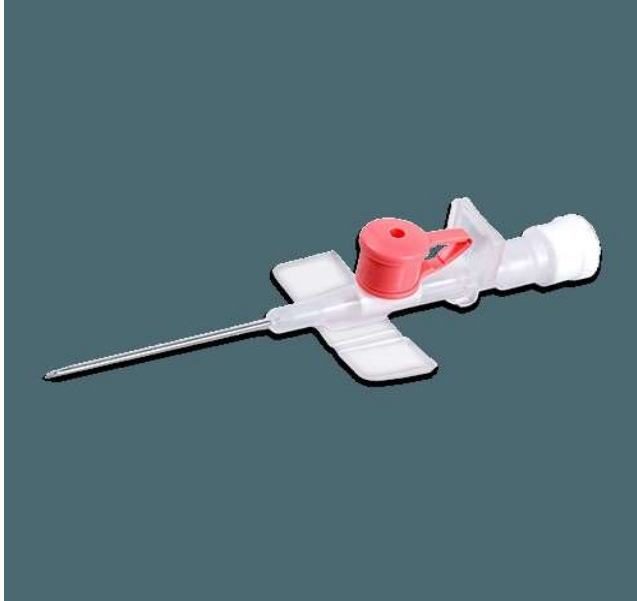
SILICONE ENGITECH manufactures Premium high purity silicone tubing. Fabricated using a premium silicone raw material and specifically formulated to meet the demanding requirements of pharmaceutical, bioprocessing, and peristaltic pump applications.

SILCON MEDICAL tubing meets USP Class VI requirements. Its low surface energy helps to resist adhesion and does not support bacteria growth. The tubing is highly elastic without the need for plasticizers, making it a preferred option for life science use.

Medical grade silicone tubing complies with industry standards and requirements to perform in a variety of medical applications. Silicone elastomers are the preferred material in the pharmaceutical, biotech, and medical fields due to their many desirable benefits, including versatility, biocompatibility, and ease of use. Silicone also has a favourable price than other materials used in healthcare applications, such as extruded thermoplastic elastomers and thermoplastics.



APPLICATION:-



Many indwelling venous cannulas are fitted with an injection port via which an additional drug can be administered to the patient intravenously. A silicone valve tubing is inserted inside the cannula to seal this opening and prevent leakages and contamination. The sealing tubes can be purchased from us on 100 Meter Coil and Cut Piece.

Key Features:-

Sterilization.

Silicone is compatible with a range of sterilization methods. It can be sterilized for sanitary reuse countless times, preventing infection and reducing the cost of single-use replacement tubing.

Biocompatible.

Medical grade silicone is a preferred material for medical applications due to its Biocompatibility. It is a non-allergenic alternative to rubber latex, which can cause reactions in some patients.

Clarity.

Medical grade silicone can be highly transparent, allowing healthcare professionals to monitor and measure liquids like IV fluid and drainage.

Temperature Resistant.

Silicone can withstand temperatures exceeding 440° F. Its heat resistance permits high heat disinfecting with autoclaving, dry heat, or steam.

Odorless, Tasteless, and Chemically Inert.

Silicone does not interact with substances such as oxygen, medicine, food, and beverages, allowing healthcare professionals to administer substances without altering the medium.

Accessible in Multiple Grade Options.

Select grade options provide various properties for a wide range of applications. Choices include Platinum-cure, peroxide cure, and FDA-grade silicone.

TECHNICAL DATA:-

Physical Properties	Test Method	Units	Typical Values
Specific Gravity	DIN EN ISO 1183-1 A	g/cm ³	1.1
Hardness, Shore A	D2240	SHORE A	60
Tensile strength psi(Mpa)	D412	MPA	11
Elongation (%)	D412	%	440
Tear Resistance, Die B lbf./in. (KN/m)	D624	KN/M	24
Temperature Rating	-	°C	-40 TO 220
Compression set 22h@175°C	ASTM D395 method B	%	31