

Silicone Platinum Cured Tubing

Platinum-cured silicone tubing is clean-room produced for Critical pharmaceutical, biomedical, cosmetic and food applications. Platinum cured tubing has undergone extensive physical, chemical and Biological testing and meets USP Class VI, FDA, CFR 177.2600 And 3A Sanitary Standards.



Size Range:-

0.10 mm ID to 40 mm OD

Thickness Range:-

0.20 mm to 12 mm

Application:-

- Peristaltic Pump
- Single-Use Assemblies
- Critical sterile transfer and filling in pharmaceutical industries
- Chemical and Analytical analysis
- Fermentation in biotech industries
- Vaccine Process
- Biopharmaceutical & microbiological applications
- Sanitary application
- Load cell and media processing
- Drug delivery and sampling

Key Features:-

- 40 TO 80 Shore A hardness options
- Ultra-low extractable
- Excellent flexibility and Transparency
- Available in custom lengths and durometers
- Superior pump life
- Fully autoclavable and sterilizable
- Non-yellowing formulation
- Imparts no taste or odors
- Temperature range from (-40°C) to (240°C)
- FDA approved

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±5
Tensile strength psi(Mpa)	D412	MPA	8.3
Elongation (%)	D412	%	720
Tear Resistance, Die B lbf./in. (KN/m)	D624	KN/M	35.1
Tensile Modulus @100%psi(Mpa)	D412	MPA	1.7
Temperature Rating	-	°C	-40 TO 220
Compression set 22h@175°C	ASTM D395 method B	%	31