

Platinum Cured Silicone Tubing (Translucent)

Maximum coil length is 50m for <3.2mm ID and 25m for 3.2mm and above

Our Platinum Cured Silicone tubing comes in translucent as a standard colour. Alternative colours are available on request (specification and data may vary for colours other than translucent). The tubing is platinum cured so that peroxides or ketones are not produced as part of the catalysing process. Used for general industries and especially ideal for use in applications with repeated contact with food, drink processing as well as pharmaceutical uses. The tubing complies with FDA guidelines.

Temperature Range -40°C to 200°C.

Physical Properties

The tube is made from a 2-component platinum cured translucent silicone rubber used in a 1:1 mixing ratio, suitable for extrusion. The silicone will keep constant even at high temperatures but should not be used with pressure steam. It also possesses excellent resistance to heat (dry air) at +200°C intermittently and will remain flexible at low temperatures of -70°C. Low flammability and low smoke toxicity are also characteristics of the silicone tubing.

Moisture Absorption

The range has a very low degree of moisture absorption. Mechanical properties show little change even after long periods of immersion.

Environmental Resistance

The tubing is also resistant to ultra-violet light, ozone effects and weathering to an extent.

Mechanical Properties

Property	Method of Testing	Unit of Measurement	Value
Density	DIN 53 479 A	g/cm ³	1.16
Hardness	DIN 53 505	Shore A	60±5
Tensile Strength	DIN 53 504 S2	N/mm ²	10.0
Elongation at Break	DIN 53 504 S2	%	450
Tear Strength	ASTM D 624 die B	N/mm	33

Size Availability

Wall Thickness (mm)	Inside Diameter (mm)	Length (m)	Colour
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0.5 – 4	0.5 – 25	5 – 100 (100+ Available on Request)	Translucent (Other colours available on request)
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