

## Peroxide Cured Silicone Tubing



Because of its excellent mechanical properties and wide range of regulatory approvals the Peroxide Cured Silicone Tubing is an excellent candidate for many aggressive applications where temperature and mechanical properties meet with the need for an economical solution to **platinum cured silicone**.

The Peroxide Cured Silicone Tubing is considerably more cost effective than platinum cured silicone, however the compound used to manufacture the Peroxide Cured Silicone Tubing passes some of the highest regulatory standards.

### Benefits

- Wide temperature range: -80°F - 350°F
- Clear for visual indication
- Extremely low odor and taste
- Excellent Weatherability
- UV and Ozone Resistant
- Strong Regulatory Compliance
- Lot and Batch Traceable

### Applications

- Food and beverage
- Pharmaceuticals
- Electronics
- Peristaltic Pumps
- Pinch Valves
- Appliances
- Consumer Products

### Sterilization

- Ethylene Oxide (ETO)
- Steam in place
- Autoclave
- Gamma Irradiation

### Certification

- U.S. Pharmacopoeia Class VI
- ISO 10993
- CFR Title 21 Section 177.2600

## Typical Properties

Property	Method	Unit	Value
Hardness	DIN 53 505	Shore A	50
Tensile Strength	DIN 53 504 S2	N/mm <sup>2</sup>	11
Elongation at Break	DIN 53 504 S2	%	490
Tear Strength	ASTM D 624 die B	N/mm <sup>2</sup>	26
Compression Set	ISO 815	%2	4
Temperature Range		°F (°C)	-100 (-37.7) to 500 (260)

## Standard Sizes

ID	OD	Wall
1/32"	5/32"	1/16"
1/16"	1/8"	1/32"
1/16"	3/16"	1/16"
1/16"	1/4"	3/32"
1/8"	3/16"	1/32"
1/8"	1/4"	1/16"
1/8"	5/16"	3/32"
1/8"	3/8"	1/8"
3/16"	1/4"	1/32"
3/16"	5/16"	1/16"
3/16"	7/16"	1/8"
3/16"	3/8"	3/32"
1/4"	5/16"	1/32"
1/4"	3/8"	1/16"
1/4"	7/16"	3/32"
1/4"	1/2"	1/8"
5/16"	3/8"	1/32"
3/16"	7/16"	1/8"
5/16"	7/16"	1/16"
5/16"	1/2"	3/32"
3/8"	7/16"	1/32"
3/8"	1/2"	1/16"
3/8"	9/16"	3/32"
3/8"	5/8"	1/8"
1/2"	9/16"	1/32"
1/2"	5/8"	1/16"
1/2"	3/4"	1/8"
1/2"	1"	1/4"
9/16"	3/4"	3/32"
5/8"	7/8"	1/8"
5/8"	1.00"	3/16"
3/4"	13/16"	1/32"
3/4"	1"	1/8"
7/8"	1"	1/16"
1"	1-1/8"	1/16"
1"	1-1/4"	1/8"
1"	1-3/8"	3/16"
1"	1-1/2"	1/4"
1"	1-3/8"	3/16"
1"	1-1/2"	1/4"



This information provided by Neumo is deemed to be accurate; however, it should be used only as a general reference to aid in product selection. Please note: a material's properties may be affected greatly by temperature, operating pressure, concentration, and the presence of other chemicals. Ultimately, the consumer must determine the compatibility of any material based on tests done under their particular process conditions.