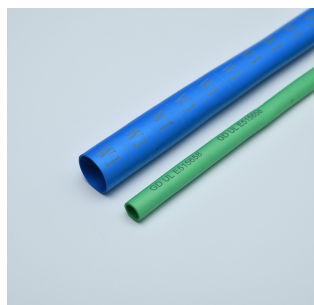


HEAT-SHRINKABLE SILICONE RUBBER TUBING

GD-SHT

● Overview

Name	Fire Resistance Rating	Application	Shrink Temperature	Working Temperature
GD-SHT	VW-1 UL&C-UL No: E515658	Military industry, electrical and electronic, high-speed rail, transportation, new energy vehicles, nuclear power, aerospace, and medical.	Initial shrinking temperature: 90°C	-50°C to 200°C
Invention patent product Pub No: CN101157802A Patent Number: CN2007100768393A			Finished shrinking temperature: 150°C	




Key Properties:

- Shrinking Ratio: 1.7:1 & 2:1
- High environmental protection level.
- Suitable for medical use.
- Compliant with ROHS, REACH, and FDA requirements. Soft and great elasticity.
- High flame resistance, meets V0, UL VW-1 requirements.
- Customizable colors & printing.



● Technical Specifications

Item	 UL&C-UL Type	General Purpose Type
Tensile Strength (MPa)	4.8	6.9
Elongation at Break (%)	350	350
Tear Strength (KN/m)	15	15
Volume Resistivity (Ω·cm)	2×10^{12} (2×10^{14})	2×10^{12} (2×10^{14})
Dielectric Strength (KV/mm)	20	20
Dielectric Constant (ε) 50Hz	3.2	3.2
Dielectric loss tangent (tan δ) 50Hz	0.001	0.001
Flammability Rating (UL-224)	VW-1	-
Working Temperature Range (°C)	-50 to +200	-50 to +200
Initial Shrinkage Temperature (°C)	≥90	≥90

● Standard Size (Ratio 1.7:1)

Size	Before Shrinking (Expanded)		After Shrinking (Recovered)	
	Inner Diameter(mm)	Wall Thickness(mm)	Inner Diameter(mm)	Wall Thickness(mm)
Φ 1.0	≥ 1.0	0.5±0.2	0.6±0.2	0.75±0.2
Φ 1.5	≥ 1.5	0.5±0.2	0.9±0.2	0.75±0.2
Φ 2.0	≥ 2.0	0.5±0.2	1.2±0.3	0.75±0.2
Φ 2.5	≥ 2.5	0.5±0.2	1.6±0.3	0.75±0.2
Φ 3.0	≥ 3.0	0.5±0.2	1.9±0.3	0.75±0.2
Φ 3.5	≥ 3.5	0.5±0.2	2.2±0.3	0.75±0.2
Φ 4.0	≥ 4.0	0.5±0.2	2.5±0.3	0.75±0.2
Φ 4.0	≥ 4.0	0.5±0.2	2.5±0.3	0.75±0.2
Φ 4.5	≥ 4.5	0.5±0.2	2.8±0.2	0.75±0.2
Φ 5.0	≥ 5.0	0.5±0.2	3.1±0.3	0.75±0.2
Φ 5.5	≥ 5.5	0.5±0.2	3.4±0.3	0.75±0.2
Φ 6.0	≥ 6.0	0.5±0.2	3.8±0.3	0.8±0.2
Φ 6.5	≥ 6.5	0.5±0.2	4.0±0.3	0.8±0.2
Φ 7.0	≥ 7.0	0.5±0.2	4.4±0.3	0.8±0.2
Φ 8.0	≥ 8.0	0.5±0.2	5.0±0.3	0.8±0.2
Φ 9.0	≥ 9.0	0.6±0.2	5.6±0.3	1.0±0.2
Φ 10	≥ 10.0	1.0±0.2	6.3±0.3	1.7±0.3
Φ 12	≥ 12.0	1.0±0.2	7.5±0.5	1.7±0.3
Φ 14	≥ 14.0	1.0±0.2	8.5±0.5	1.7±0.3
Φ 15	≥ 15.0	1.0±0.2	9.3±0.5	1.7±0.3
Φ 16	≥ 16.0	1.0±0.2	10.0±0.5	1.7±0.3
Φ 18	≥ 18.0	1.0±0.2	11.3±0.5	1.7±0.3
Φ 20	≥ 20.0	1.0±0.2	12.5±1.0	1.7±0.3
Φ 25	≥ 25.0	1.1±0.3	15.6±1.0	1.9±0.3
Φ 30	≥ 30.0	1.1±0.3	18.7±1.5	1.9±0.3
Φ35	≥ 35	1.1±0.3	21.8±1.5	2.0±0.3
Φ 40	≥ 38	1.1±0.3	23.5±2.0	2.0±0.3
Φ 50	≥ 47	1.1±0.3	29.5±3.0	2.0±0.3
Φ 60	≥ 57	1.5±0.4	35.5±3.0	2.5±0.4
Φ 70	≥ 67	1.5±0.4	41.2±5.0	2.5±0.4
Φ 80	≥ 77	1.5±0.4	47.0±5.0	2.5±0.4
Φ 90	≥ 87	1.5±0.4	53.0±5.0	2.5±0.4
Φ 110	≥ 107	1.5±0.4	64.7±5.0	2.5±0.5

Custom sizes and specifications beyond the list are available on request.

● Standard Size (Ratio 2:1)

Size	Before Shrinking (Expanded)	After Shrinking (Recovered)	After Shrinking (Recovered)
	Inner Diameter(mm)	Inner Diameter(mm)	Wall Thickness(mm)
Φ 0.8	≥ 0.8	0.4±0.2	0.9±0.2
Φ 1.0	≥ 1.0	0.5±0.2	0.9±0.2
Φ 1.5	≥ 1.5	0.75±0.2	0.9±0.2
Φ 2.0	≥ 2.0	1.0±0.3	1.0±0.2
Φ 2.5	≥ 2.5	1.25±0.3	1.0±0.2
Φ 3.0	≥ 3.0	1.5±0.3	1.0±0.2
Φ 3.5	≥ 3.5	1.85±0.3	1.0±0.2
Φ 4.0	≥ 4.0	2.1±0.3	1.0±0.2
Φ 4.5	≥ 4.5	2.23±0.3	1.0±0.2
Φ 5.0	≥ 5.0	2.6±0.3	1.0±0.2
Φ 5.5	≥ 5.5	2.85±0.3	1.0±0.2
Φ 6.0	≥ 6.0	3.2±0.3	1.0±0.2
Φ 6.5	≥ 6.5	3.45±0.3	1.0±0.2
Φ 7.0	≥ 7.0	3.7±0.3	1.0±0.2
Φ 8.0	≥ 8.0	4.3±0.3	1.0±0.2
Φ 9.0	≥ 9.0	4.8±0.3	1.0±0.2
Φ 10	≥ 10.0	5.3±0.3	2.0±0.2
Φ 12	≥ 12.0	6.4±0.5	2.0±0.2
Φ 15	≥ 15.0	8.0±0.5	2.0±0.2
Φ 16	≥ 16.0	8.5±0.5	2.0±0.3
Φ 18	≥ 18.0	9.5±0.5	2.0±0.3
Φ 20	≥ 20.0	10.5±1.0	2.0±0.3
Φ 25	≥ 25.0	13.2±1.0	2.0±0.3
Φ 35	≥ 35	18.0±1.0	2.2±0.3
Φ 40	≥ 38	20.5±3.0	2.2±0.3
Φ 50	≥ 47	25.5±3.0	2.2±0.3
Φ 60	≥ 57	32.0±3.0	3.0±0.5
Φ 70	≥ 67	38.0±5.0	3.0±0.5
Φ 80	≥ 77	45.0±5.0	3.0±0.5
Φ 90	≥ 87	50.0±5.0	3.0±0.5
Φ 110	≥ 107	60.0±5.0	3.0±0.5

Custom sizes and specifications beyond the list are available on request.