

GSHS-1625

Flexible Polyolefin Tubing



Special Features

- It has excellent flame retardance, flexibility, and insulation.

Application

- Suitable for various electric insulation, strain relief, and bonding of cables and connectors and widely applied for interconnection or termination.
- Light-duty harnessing, jacketing, bundling, and color coding of electric wires.

Key Specifications

- Operating temperature range : -55°C ~ 125°C
- Flammability : UL VW-1, -F- mark, CSA OFT (except clear products)
- Minimum shrink temperature : 90°C
- Shrink ratio : 50% or more in radial direction
- Standards
 - UL 224 (File No. E84393 : VW-1, 600V, 125°C, except clear products)
 - CSA C22.2 (File No. LR55659 : OFT, 600V, 125°C, except clear products)

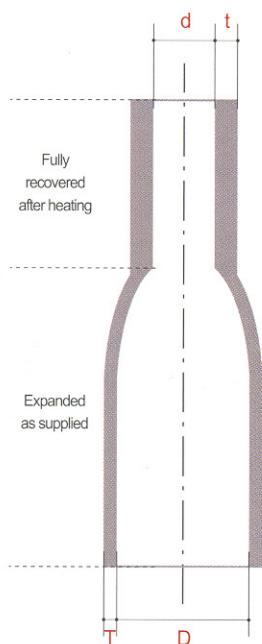
Properties			Values	Test Methods
Physical	Density		Max. 1.40g/cm ³ @23°C	ASTM D 792
	Unaged	Tensile strength	Min. 1.1kgf/mm ²	ASTM D 412
		Elongation	Min. 200%	UL 224
	Aged	Tensile strength	Min. 0.8kgf/mm ²	ASTM D 412
		Elongation	Min. 100%	UL 224 158°C/168hrs
	Heat shock		Pass @250°Cx4hrs	UL 224
	Low temperature flexibility		No crack @ -55°Cx4hrs	ASTM D 2671
	Secant modulus		Max. 173MPa	UL 224
Electrical	Dielectric voltage withstand	Unaged	Min. 2,500V/1min.	UL 224
		Aged		158°C/168hrs
	Volume resistivity		Min. 1x10 ¹⁴ Ω-cm	ASTM D 257
Chemical	Copper corrosion		No corrosion	UL 224 158°C/168hrs
	Copper stability elongation		No sign of degradation Min. 100%	
	Flammability		Pass	UL 224

Available Colors



Dimension

- Size range : 1 ~ 60 mm (3/64 ~ 5 inch), special sizes are negotiable.



Size of Diameter	Inside Diameter (mm)		Wall Thickness (mm)		Standard Spool Length (m)
	as supplied Min. D	after recovery Max. d	as supplied Nom. T	after recovery Min. t	
1.0	1.0	0.50	0.20	0.36	200
1.5	1.5	0.75	0.20	0.36	200
2.0	2.0	1.00	0.20	0.44	200
2.5	2.5	1.25	0.25	0.44	200
3.0	3.0	1.50	0.25	0.44	200
3.5	3.5	1.75	0.25	0.44	200
4.0	4.0	2.00	0.25	0.44	200
5.0	5.0	2.50	0.25	0.56	100
5.5	5.5	2.75	0.25	0.56	100
6.0	6.0	3.00	0.25	0.56	100
7.0	7.0	3.50	0.25	0.56	100
8.0	8.0	4.00	0.25	0.56	100
9.0	9.0	4.50	0.25	0.56	100
10.0	10.0	5.00	0.25	0.56	100
11.0	11.0	5.50	0.25	0.56	100
12.0	12.0	6.00	0.25	0.56	100
13.0	13.0	6.50	0.30	0.69	50
14.0	14.0	7.00	0.30	0.69	50
15.0	15.0	7.50	0.30	0.69	50
16.0	16.0	8.00	0.30	0.69	50
18.0	18.0	9.00	0.35	0.76	50
20.0	20.0	10.00	0.35	0.76	50
22.0	22.0	11.00	0.40	0.76	50
24.0	24.0	12.00	0.40	0.76	50
25.0	25.0	12.50	0.40	0.86	50
26.0	26.0	13.00	0.40	0.86	50
28.0	28.0	14.00	0.40	0.86	50
30.0	30.0	15.00	0.40	0.86	50
32.0	32.0	16.00	0.40	0.86	50
38.0	38.0	19.00	0.43	0.86	50
50.0	50.0	25.00	0.50	0.97	31
60.0	60.0	30.00	0.55	1.07	31
3/64	1.2	0.58	0.20	0.33	200
1/16	1.6	0.79	0.20	0.36	200
3/32	2.4	1.17	0.25	0.43	200
1/8	3.2	1.57	0.25	0.43	200
3/16	4.8	2.36	0.25	0.43	100
1/4	6.4	3.18	0.30	0.56	100
3/8	9.6	4.75	0.30	0.56	100
1/2	12.7	6.35	0.30	0.56	50
3/4	19.1	9.53	0.35	0.69	50
1	25.4	12.70	0.40	0.76	50
1-1/2	38.1	19.00	0.43	0.86	50
2	50.8	25.40	0.50	0.97	31
2-1/2	63.5	31.75	0.55	1.17	31
3	76.2	38.10	0.60	1.17	31
4	101.6	50.80	0.70	1.17	31
5	127.0	63.50	0.70	1.17	31