

## GTP1-150 2:1 - Heat Shrinkable Tubing 150°C (shrinking ratio 2:1)

GTP1-150 is a cross linked material heat shrinkable tubing with a shrinking ratio of 2:1. It is widely used for electrical insulation, cable protection and cable assembling. This specification is applied to wire connection, electrical protection, identification, insulation of temperature sensors, high temperature motors in automobiles, ships or aircrafts.

### Thermal properties:

Usage temperature:  
-55°C +150°C

### Shrinking:

Shrinking ratio 2:1

### Colors:

Standard Color: Black. Other colors on request.

### Flame Retardant:

According to UL224 VW-1

### Applications:

- Harness
- Identification
- Electrical insulation
- Mechanical protection
- General electrical usage

### Certification:

UL224 VW-1

### Dimensions:

Diameter Before shrinking	Before Shrinking		After shrinking	
Diameter mm.	Diameter mm.	Wall thickness	Diameter mm.	Wall thickness
1.0	≥1.6	0.20	≤0.65	0.33
2.0	≥2.5	0.25	≤1.00	0.44
3.0	≥3.5	0.25	≤1.50	0.44
4.5	≥4.8	0.30	≤2.25	0.44
6.0	≥6.4	0.30	≤3.00	0.56
9.0	≥9.3	0.30	≤4.50	0.56
12.0	≥12.3	0.30	≤6.00	0.56
16.0	≥16.5	0.35	≤8.00	0.69
18.0	≥18.9	0.40	≤9.00	0.69
20.0	≥21.5	0.40	≤10.0	0.77
25.0	≥25.6	0.40	≤12.5	0.77
30.0	≥31.5	0.45	≤15.0	0.87
35.0	≥36.5	0.50	≤17.5	0.87
40.0	≥41.5	0.50	≤20.0	0.87
50.0	≥51.5	0.50	≤25.0	0.97
60.0	≥60.0	0.50	≤30.0	1.07
70.0	≥70.0	0.50	≤35.0	1.17

### General Characteristics:

Properties	Values
Shrinking Ratio	2 : 1
Min. shrinking temperature	70°C
Totally shrunk at	135°C
Continue operative temp.	-55°C +150°C
Longitudinal shrinking	5% (± 5%)

### Main technical characteristics:

Properties	Values
Tensile strenght	≥ 10.4 MPa
Elongation	≥ 200%
Flammability	UL224 VW-1
Dielectric Voltage withstand	≥ 15 KV/MM
Volume resistively	≥ 10 <sup>14</sup> Ωcm

It must be stored in a dry place, inside plastic bags, away from direct sunlight, weathering, chemical materials, direct heat sources or fire. Storage time is 12 months.

The values given above are believed to be accurate and given as a matter of information only. As usage conditions are beyond our control we suggest the customer to confirm values and product compatibility prior to its use. We don't guarantee nor accept any responsibility for any particular usage.