

Special Heat Shrink Parts

S10 Fluororubber Heat Shrink Tube

Introduction

A flexible, cross-linked fluororubber heat shrink tubing used for connecting, insulating, and protecting various types of wires and cables in military equipment requiring resistance to high temperatures, oil, and chemical solvents. Ideal for stress relief at terminations or joints, insulation protection or covering of wiring, and encapsulation of electronic components.

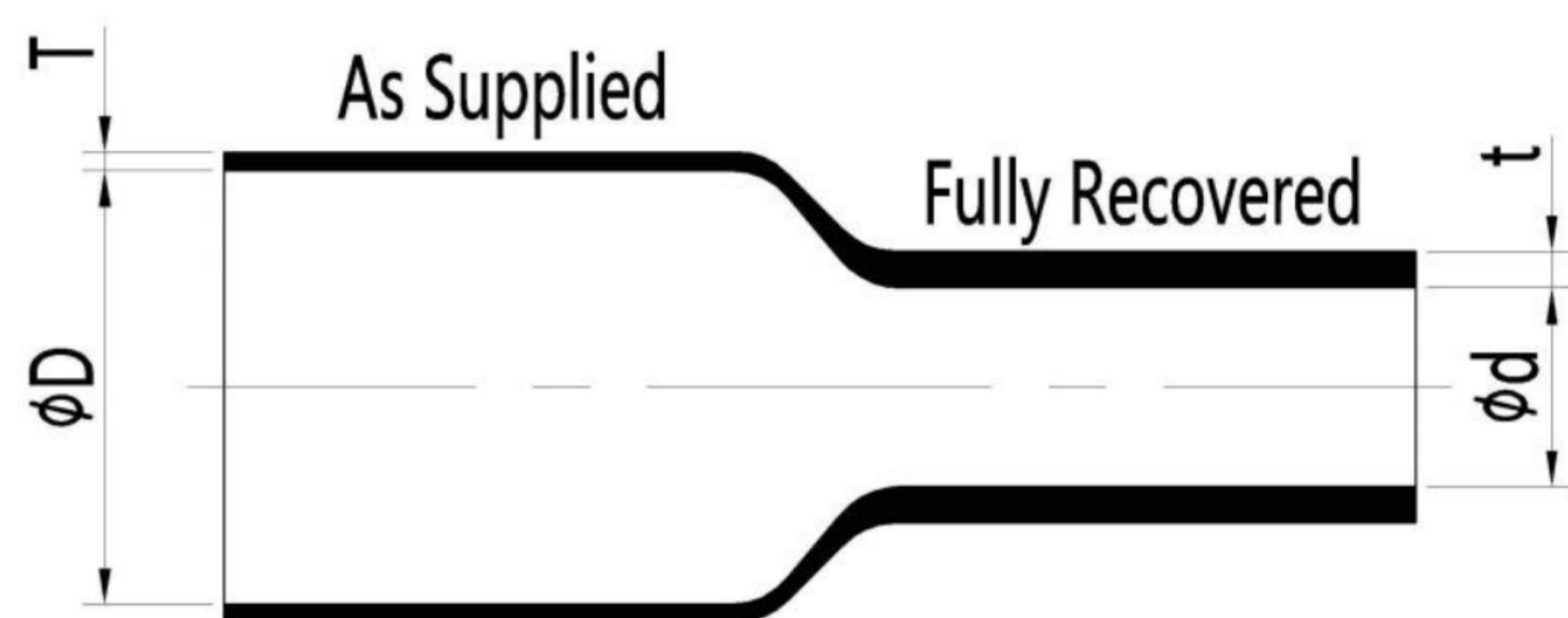
Features

- Operating temperature: -55 to 200°C
- Minimum full recovery temperature: 175°C
- Flexible, Flame-retardant, wear resistant
- Excellent high-temperature resistance, solvent resistance, oil resistance, and chemical corrosion resistance
- Shrink ratio: 2:1
- Standard Color: Black (-0)
- Compliant Standard GJB 7273-2011

Dimension

Part No. S10	As supplied(mm)		After recovered (mm)		Unit weight (max.) g/m	Standard Length (m)
	Inner diameter D (min.)	Inner diameter d (max.)	Inner diameter	Wall thickness t		
2.4/1.2	2.4	1.2	0.60±0.10	9.8	100	
3.2/1.6	3.2	1.6	0.76±0.13	11.8	100	
4.8/2.4	4.8	2.4	0.89±0.18	17.5	100	
6.4/3.2	6.4	3.2	0.89±0.18	20.6	61	
9.5/4.8	9.5	4.8	0.89±0.18	33.7	61	
12.7/6.4	12.7	6.4	0.89±0.18	60.7	61	
15.9/7.9	15.9	7.9	1.07±0.21	76	61	
19.1/9.5	19.1	9.5	1.07±0.21	88.8	61	
22.2/11.1	22.2	11.1	1.25±0.30	140	61	
25.4/12.7	25.4	12.7	1.25±0.30	151	61	
38.1/19.1	38.1	19.1	1.40±0.38	252.3	30.5	
50.8/25.4	50.8	25.4	1.65±0.43	300.5	30.5	

Ordering Note: Please order according to "model-specification-color", such as S10-9.5/4.8-0
Color code: Black (-0)



Technical Data (GJB 7273-2011)

Property	Test Method	Requirement
Longitudinal change	--	-20%~20%
Restricted Shrinkage	200°C/30min	No cracking
Water absorption	23°C/24h	≤0.5%
Tensile Strength	500mm/min	≥11.0MPa
Ultimate Elongation	500mm/min	≥250%
Heat shock	300°C/4h	No cracking, dripping or flowing
Heat Aging	250°C/168h	
Tensile Strength		≥11.0MPa
Ultimate Elongation		≥200%
Dielectric strength	--	≥7.9kV/mm
Dielectric withstand	AC 2500V, 60s	No breakdown
Volume resistivity	--	≥1.0×10 ⁹ Ω·cm
Fluid resistance	23°C/24h	
Tensile Strength		≥11.0MPa
Ultimate Elongation		≥250%
Flammability	--	≤60S burning duration
Copper corrosion	175°C/16h	No Corrosion
Low-temperature flexibility	-55°C/4h	No Cracking
Thermal cycling	-55°C/200°C	
Tensile Strength	/10 cycles	≥11.0MPa
Ultimate Elongation		≥200%
Salt spray test	GJB 150.11	
Tensile Strength		≥11.0MPa
Ultimate Elongation		≥200%
Damp-heat test	GJB 150.9	
Tensile Strength		≥11.0MPa
Ultimate Elongation		≥200%
Fungus Resistance	GJB 150.10	No worse than rating 1