

Special Heat Shrink Parts

S6-T Polyurethane Elastomer Heat Shrink Tube

Introduction

Cross-linked polyurethane elastomer, flexible, heat shrinkable tubing. Used for military and commercial equipment to protect wire and cable from diesel fuels, hydraulic fluids, lubrication oils and abrasion .

Features

- Operating temperature: -55 to 125°C
- Shrink ratio: 2:1
- Minimum full recovery temperature: 150°C
- Standard Color: Black (-0)
- Flexible, Flame-retardant
- Compliant Standard GJB 7274-2011
- Good resistance to wear resistance, lubricating oil and hydraulic oil

Dimension

Part No.	As supplied(mm)	After recovered (mm)		Unit weight (max.) g/m	Standard Length (m)
	Inner diameter D (min.)	Inner diameter d (max.)	Wall thickness t		

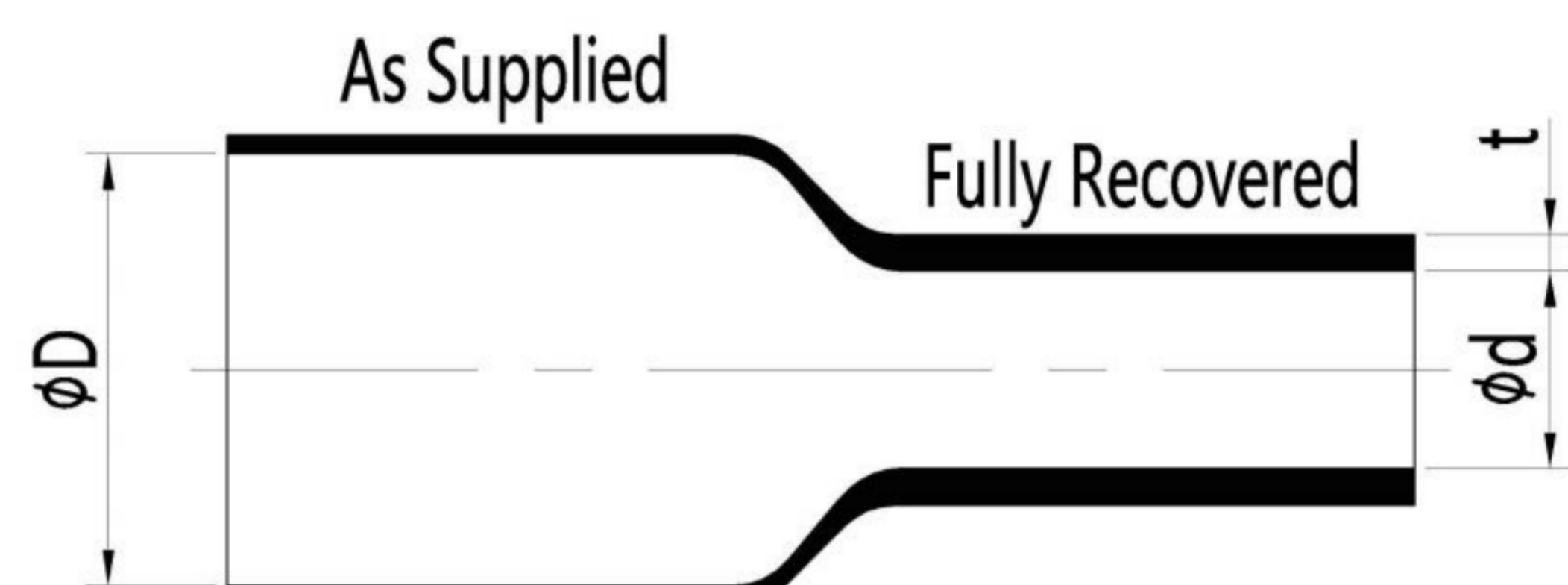
Normal S6-T

1.6/0.85	1.6	0.85	0.40±0.08	3.1	200
2.4/1.2	2.4	1.2	0.51±0.08	5.9	200
3.2/1.6	3.2	1.6	0.76±0.15	9.6	200
4.8/2.4	4.8	2.4	0.84±0.15	14.7	200
6.4/3.2	6.4	3.2	0.89±0.15	19.3	200
9.5/4.8	9.5	4.8	1.02±0.20	31.5	122
12.7/6.4	12.7	6.4	1.22±0.20	42.5	122
15.9/7.9	15.9	7.9	1.32±0.28	57.5	61
19.1/9.5	19.1	9.5	1.45±0.28	80.1	61
22.2/11.1	22.2	11.1	1.55±0.28	98.5	61
25.4/12.7	25.4	12.7	1.78±0.28	120.0	61
31.8/15.9	31.8	15.9	2.20±0.41	172.5	30.4
38.1/19.1	38.1	19.1	2.41±0.41	243.0	30.4
50.8/25.4	50.8	25.4	2.79±0.41	342.0	30.4

S6-TTW(Thinner Wall)

1.6/0.85	1.6	0.85	0.40±0.08	3.1	200
2.4/1.2	2.4	1.2	0.51±0.08	5.9	200
3.2/1.6	3.2	1.6	0.51±0.08	7.0	200
4.8/2.4	4.8	2.4	0.51±0.08	9.6	200
6.4/3.2	6.4	3.2	0.64±0.08	15.6	200
9.5/4.8	9.5	4.8	0.64±0.08	22.2	122
12.7/6.4	12.7	6.4	0.64±0.08	27.0	122
15.9/7.9	15.9	7.9	0.76±0.15	37.6	61
19.1/9.5	19.1	9.5	0.76±0.15	47.2	61
22.2/11.1	22.2	11.1	0.89±0.15	60.2	61
25.4/12.7	25.4	12.7	0.89±0.15	67.6	61
31.8/15.9	31.8	15.9	1.02±0.20	90.4	30.4
38.1/19.1	38.1	19.1	1.02±0.20	115.4	30.4
50.8/25.4	50.8	25.4	1.14±0.20	157.9	30.4

Ordering Note: Please order according to "model-specification-color", such as S6-9.5/4.8-0
Color code: Black (-0)



Technical Data (GJB 7274-2011)

Property	Test Method	Requirement
Density	ASTM D792	$\leq 1.50\text{g/cm}^3$
Longitudinal change	--	-10%~10%
Restricted Shrinkage	200°C/30min	No cracking
Water absorption	23°C/24h	$\leq 2.0\%$
Tensile Strength	500mm/min	$\geq 11.7\text{MPa}$
Ultimate Elongation	500mm/min	$\geq 250\%$
Heat shock	200°C/4h	No cracking, dripping or flowing
Heat Aging	150°C/168h	
Tensile Strength		$\geq 10.4\text{MPa}$
Ultimate Elongation		$\geq 200\%$
Dielectric strength	--	$\geq 11.9\text{kV/mm}$
Dielectric withstand	AC 2500V, 60s	No breakdown
Volume resistivity	--	$\geq 1.0 \times 10^9 \Omega \cdot \text{cm}$
Fluid resistance	23°C/24h	
Tensile Strength		\geq Not less than 70% value before test
Ultimate Elongation		$\geq 100\%$
Flammability	--	$\leq 60\text{ S}$ burning duration
Copper corrosion	135°C/16h	No Corrosion
Low-temperature flexibility	-55°C/4h	No Cracking
Thermal cycling	-55°C/120°C	
Tensile Strength	/10 cycles	Not less than 70% value before test
Ultimate Elongation		$\geq 100\%$
Salt spray test	GJB 150.11	
Tensile Strength		Not less than 70% value before test
Ultimate Elongation		$\geq 100\%$
Damp-heat test	GJB 150.9	
Tensile Strength		Not less than 70% value before test
Ultimate Elongation		$\geq 100\%$
Fungus Resistance	GJB 150.10	No worse than rating 1