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**THORNE & DERRICK UK**  
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SPUL

# Flexible Flame Retarded Polyolefin Heat Shrinkable Tubing Fully Marked to UL/CSA Requirements

## Specification Values

PROPERTY	TEST METHOD	VALUES
Tensile Strength	ISO 37	10 MPa minimum
Ultimate Elongation	ISO 37	250% minimum
Specific Gravity	ISO 1183	1.35 maximum
Heat Shock	ASTM D2671 (4hrs at 250°C)	no dripping, cracking or flowing
Heat Ageing	ISO 188 (168hrs at 175°C)	
Ultimate Elongation	ISO 37	150% minimum
Low Temperature Flexibility	ASTM D2671 (4hrs at -55°C)	no cracking
Flammability (except Clear)	ASTM D876	pass
Electric Strength	IEC 243	20KV/mm minimum
Corrosion (Copper Contact and Copper Mirror)	ASTM D2671	no corrosion
Water Absorption	ISO 62	0.5 % maximum
Fluid Resistance	ISO 1817	
Gasoline		
Hydraulic Fluid		
Lubricating Oil		
Tensile Strength	ISO 37	7 MPa minimum
Ultimate Elongation		200% minimum
Fungus Resistance	ISO 846	
Tensile Strength	ISO 37	10 MPa minimum
Ultimate Elongation		250% minimum

## Specification References/Approvals

TYPE	SHRINKTEK	UNDERWRITERS LAB	CSA
SPUL	ST6003	UL 224 VW1 600V, 125°C FILE NO. E196685	600V, 125°C (OFT) FILE NO. LR228795

- Shrink Ratio 2:1
- Operating Temperature Range -55°C to 135°C
- Shrink Temperature 100°C
- Specifically for use on equipment requiring UL marked components



## Ordering Data

ORDERING SIZE		MINIMUM EXPANDED DIAMETER		MAXIMUM RECOVERED DIAMETER		NOMINAL RECOVERED WALL		STANDARD REEL LENGTH	
ins	mm	ins	mm	ins	mm	ins	mm	ft	m
$\frac{3}{64}$	1.2	0.046	1.2	0.023	0.6	0.018	0.45	500	150
$\frac{1}{16}$	1.6	0.063	1.6	0.031	0.8	0.018	0.45	500	150
$\frac{3}{32}$	2.4	0.093	2.4	0.046	1.2	0.019	0.50	500	150
$\frac{1}{8}$	3.2	0.125	3.2	0.062	1.6	0.019	0.50	500	150
$\frac{3}{16}$	4.8	0.187	4.8	0.093	2.4	0.019	0.50	500	150
$\frac{1}{4}$	6.4	0.250	6.4	0.125	3.2	0.026	0.65	250	75
$\frac{3}{8}$	9.5	0.375	9.5	0.187	4.8	0.026	0.65	250	75
$\frac{1}{2}$	12.7	0.500	12.7	0.250	6.4	0.026	0.65	250	75
$\frac{3}{4}$	19.0	0.750	19.0	0.375	9.5	0.029	0.75	250	60
1	25.4	1.000	25.4	0.500	12.7	0.035	0.90	250	60
$1\frac{1}{2}$	38.1	1.500	38.1	0.750	19.1	0.039	0.95	100	30
2	50.8	2.000	50.8	1.000	25.4	0.045	1.00	100	30
3	76.2	3.000	76.2	1.500	38.1	0.049	1.25	100	30
4	102.0	4.000	102.0	2.000	50.8	0.055	1.40	100	30

**Standard Colour:** black  
(other colours available to order)

**Standard Packaging:** on reels (see table for lengths). Also available in 1.2m lengths

**To order:** specify product part number, size and colour (e.g. SPUL 4.8 BLK)



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