

## Datasheet

# RS Pro Clear Heat Shrink Tubing sleeve diameter 9.5mm length 30cm ratio 2:1

RS Stock No: **443-4946**



## Product Details

RS Pro heat shrink tubing sleeve in clear colour, has 9.5 mm diameter and 30 cm length with a ratio of 2:1. This pre-cut heat sheet sleeve is made from flexible irradiated polyolefin. This tubing sleeve meets UL224 125°C 600V VW-1 E48762, CSA C22.2 No198.1, Mil SAE-AMS-DTL 23053/5 class 1 except clear, IEC 60684-3-212 A&B, BS3G 198 part 3 11b and VG 95343 part5 A&B standards.

## Features and Benefits

- High mechanical and electrical strength, corrosion resistant
- Supplied in pre-cut lengths of 300 mm for easy use and storage
- Irradiated polyolefin construction

**Specifications:**

Adhesive Lined	No
Angle	Straight
Colour	Clear
Dielectric Strength	30 kV/mm
Flame Retardant	Yes
Halogen Free	Yes
Material	Polyolefin
Maximum Operating Temperature	+135°C
Minimum Operating Temperature	-55°C
Operating Temperature Range	-55 to +135°C
Shrink Ratio	2:1
Shrunk Diameter	4.8 mm
Sleeve Diameter	9.5 mm
Sleeve Length	30 cm
Sleeve Type	Heat Shrink
Standards Met	UL 224 VW-1 E48762, CSA C22.2 No. 198.1, MIL SAE-AMS-DTL 23053/5 Class 1, IEC 60684-3-212 A&B, BS3G 198 Part 3 11B, VG 95343 Part 5 A&B, RoHS Compliant



## T3.1

### EXTRUDED SILICONE RUBBER SLEEVING CLASS H

Size	Bore (mm)	Wall Thickness	V proof 20°C (kv)	V proof 180°C (kv)	R Insulation (MΩ)
1	1	0.5 +0.2) - 0.0)	5	3.5	100,000
2	2	0.5 +0.2) - 0.0)	5	3.5	100,000

**NB. Inner bore tolerance  $\pm 0.01\mu\text{M}$**

#### CURED COMPOUND

The data refers to stocks cured as indicated and tested according to BS 903 where applicable.

Cure: Press cure 10 minutes at 120°C and 24 hours oven cure at 250°C.

#### MECHANICAL PROPERTIES

Hardness (°B.S.)	70±5
Tensile Strength M PA (1b/in <sup>2</sup> )	6.2 (900)
Elongation at Break (%)	230
Tear Strength N (lb)	28(8)
Compression Set 24 hrs at 150°C (%)	20
Linear Shrinkage (%)	3.2
Brittle Point (°C)	-65
Operating Temperature Range (°C)	-65 to +180

#### OIL RESISTANCE (Typical Test Results)

The following data was obtained on sheets cured for 4 hrs at 200°C and immersed in oil for 70 hrs at 150°C.

#### ASTM No. 1

Change in Hardness (°B.S.)	-4
Change in Tensile Strength (%)	0
Change in Elongation at Break (%)	-20
Volume Increase (%)	5