



## Polyolefin Heat Shrink Sleeving

Polyolefin heat shrink sleeving is a cost-effective alternative for less technical applications.

Polyolefin heat shrink sleeving is a general-purpose heat shrink for use in commercial applications where cost is an important factor. With a low shrink temperature of 70°C to 110°C, Polyolefin heat shrink is suitable for applications where temperature sensitive components protection and quick shrinkage is required.

We offer 2:1, 3:1, 4:1 and adhesive lined Polyolefin heat shrink sleeving, in a range of standard sizes from 1.20mm to 100mm ID and with a standard wall or thin wall. A variety of colours are also available.



### Polyolefin Heat Shrink Unique Properties

- ◆ Working temperature from -55°C to +125°C
- ◆ Shrink temperature +70°C to +110°C
- ◆ Flame retardant - The flammability of the tubing meets the automotive flame propagation standard MVSS3 302.
- ◆ UL recognised UL224,VW-1, C-UL CSA 22.2
- ◆ Good mechanical and electrical performances

### Technical Data for Polyolefin Heat Shrink

Property	Test Method	Typical Data
<b>Tensile Strength</b>	ASTM D 2671	15MPa
<b>Ultimate Elongation (%)</b>	ASTM D 2671	450
<b>Longitudinal Shrinkage (%)</b>	UL 224	+/- 5
<b>Heat Aging</b>		
<b>Tensile Strength</b>	158°C, 168hr	11MPa
<b>Ultimate Elongation (%)</b>		300
<b>Flammability</b>	MVSS 302	Pass
<b>Dielectric Strength (kv/mm)</b>	IEC 243	20
<b>Volume Resistivity (ohm-cm)</b>	UL224	1x10 <sup>14</sup>
<b>Copper Stability</b>	ASTM D 2671	Pass
<b>Corrosion</b>	UL224	No corrosion

## Polyolefin 2:1 Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
HSS/PO/1.2	1.20	0.60	0.22
HSS/PO/1.6	1.60	0.80	0.28
HSS/PO/2.4	2.40	1.20	0.35
HSS/PO/3.2	3.20	1.60	0.40
HSS/PO/4.8	4.80	2.40	0.50
HSS/PO/6.4	6.40	3.20	0.55
HSS/PO/7.9	7.90	4.00	0.60
HSS/PO/9.5	9.50	4.75	0.60
HSS/PO/12.7	12.70	6.40	0.65
HSS/PO/16	16.00	8.00	0.70
HSS/PO/19	19.00	9.50	0.80
HSS/PO/25.4	25.40	12.70	0.90
HSS/PO/32	32.00	16.00	0.95
HSS/PO/38.1	38.10	19.10	1.00
HSS/PO/50.8	50.80	25.40	1.00

## Adhesive Lined Polyolefin Heat Shrink

The thermoplastic adhesive inner liner in the Polyolefin heat shrink melts and flows to environmentally seal and protect components and interconnections.

The adhesive bonds to a variety of plastics, rubbers and metals including polythene, aluminum, steel and copper.

<b>Material Jacket</b>	Polyolefin
<b>Inner Liner</b>	Polyamide
<b>Shrink Ratio</b>	3:1 or 4:1
<b>Operating Temperature</b>	-55°C to +110°C
<b>Dielectric Strength</b>	12KV/mm
<b>Installation Temperature</b>	80°C to +110°C
<b>Specifications</b>	UL E853381 RoHS AMS DTL 23053/4

## Adhesive Lined Polyolefin 3:1 Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
HSS/POA/3.2	3.20	1.00	0.90
HSS/POA/4.8	4.80	1.60	1.05
HSSPOA/6.4	6.40	2.20	1.25
HSS/POA/7.9	7.90	2.70	1.35
HSS/POA/12.7	12.70	4.20	1.65
HSS/POA/15	15.00	5.20	1.80
HSS/POA/19.1	19.10	6.30	1.95
HSS/POA/25.4	25.40	8.50	2.00
HSS/POA/30	30.00	10.20	2.15
HSS/POA/39	39.00	13.50	2.45
HSS/POA/50	50.00	17.00	2.75

## Adhesive Lined Polyolefin 4:1 Heat Shrink Sizes

Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
4.00	1.00	1.00
8.00	2.00	1.00
12.00	3.00	1.40
16.00	4.00	1.78
24.00	6.00	2.25
32.00	8.00	2.54
52.00	13.00	2.54

For more information about our Polyolefin Heat Shrink, please visit [adtech.co.uk](http://adtech.co.uk)

For other custom sizes or technical assistance, contact our customer service team:

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