



# FEP 1.4:1 Heat Shrink Sleeving

FEP 1.4:1 ratio heat shrink offers a maximum continuous working temperature of 200°C and a shrinking temperature of only 110°C.

Our high temperature heat shrink sleeving in FEP can be safely shrunk over temperature sensitive materials, without causing damage. Couple this property with its transparency, complete chemical resistance, total UV resistance, and non-stick nature and you have a unique material.

FEP heat shrink sleeving is available in many standard sizes, from 1.5mm to 150mm ID. Select the correct size sleeve by allowing a generous amount of shrinkage, rather than using a tight sleeve if possible.



## FEP Heat Shrink Unique Properties

- ◆ Total chemical and solvent resistance
- ◆ Working temperature from -200°C to +200°C
- ◆ Remains flexible at cryogenic temperatures
- ◆ Very low coefficient of friction
- ◆ Non-stick surface
- ◆ Extremely high electrical resistance
- ◆ Very low dielectric loss at high frequencies
- ◆ Total resistance to UV radiation
- ◆ Naturally non-inflammable
- ◆ Non-toxic

## Technical Data for FEP Heat Shrink

Before Shrinking		After Shrinking	
<b>Shrink temperature</b>	110°C (approx.)	<b>Chemical &amp; solvent resistance</b>	Virtually total
<b>Shrink ratio</b>	1:1.35 nominal	<b>Hardness</b>	D55
<b>Shelf life</b>	Infinite	<b>UV resistance</b>	Completely unaffected
<b>Max storage</b>	20°C	<b>Water absorption</b>	0.01% or less
<b>Colour</b>	Transparent	<b>Coefficient of friction</b>	0.01
<b>Toxicity</b>	Completely non-toxic	<b>Flammability</b>	Non-inflammable (naturally)
<b>Working temperature</b>	-200° to +200°C	<b>Radiation resistance</b>	1 megarad
<b>Length change on shrinking</b>	0 to +15%	<b>Melt temperature (for sealing)</b>	280°C

## Standard Wall FEP Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
FHS1	1.50	1.00	0.30
FHS1.1	1.60	1.10	0.25
FHS1.5	2.00	1.50	0.30
FHS1.9	2.50	1.90	0.30
FHS2.7	3.60	2.70	0.20
FHS3	4.20	3.00	0.50
FHS3.6	4.80	3.60	0.27
FHS3.8	5.10	3.80	0.30
FHS4.6	6.20	4.60	0.30
FHS6	8.00	6.00	0.30
FHS7	9.50	7.00	0.50
FHS9	12.00	9.00	0.50
FHS10	13.50	10.00	0.50
FHS11	15.00	11.00	0.50
FHS13	18.00	13.00	0.50
FHS14	19.00	14.00	0.50
FHS16	22.00	16.00	0.50
FHS19	25.00	19.00	0.50
FHS23	31.00	23.00	0.50
FHS27	36.00	27.00	0.50
FHS32	43.00	32.00	0.50
FHS40	54.00	40.00	0.50
FHS46	62.00	46.00	0.50
FHS56	76.00	56.00	0.50
FHS65	81.00	65.00	0.50
FHS80	96.00	80.00	0.50
FHS95	115.00	95.00	0.50
FHS113	150.00	115.00	0.70

## Light Wall FEP Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
FHS1.3	1.80	1.30	0.15
FHS2.0	2.60	2.00	0.20
FHS2.6	3.40	2.60	0.10
FHS3.8L	5.10	3.80	0.25
FHS5.5L	7.40	5.50	0.25
FHS7.5L	10.20	7.50	0.25
FHS9.5L	12.80	9.50	0.25
FHS13L	18.00	13.00	0.25
FHS16L	22.00	16.00	0.25
FHS19L	25.00	19.00	0.25
FHS23L	31.00	23.00	0.25
FHS32L	43.00	32.00	0.25
FHS39L	53.00	39.00	0.25
FHS46L	62.00	46.00	0.25

## Heavy Wall FEP Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
FHS23H	31.00	23.00	1.50
FHS37H	50.00	37.00	1.50
FHS49H	66.00	49.00	1.50
FHS61H	82.00	61.00	1.50
FHS74H	100.00	74.00	1.50
FHS98H	132.00	98.00	1.50

**Fume Precautions during heat shrinking:** Like all plastics and rubber, fluoroplastics decompose at high temperatures and give off unpleasant fumes. Unlike other polymers, the fumes from fluoroplastics are odourless and therefore, may not be noticed during overheating of the material. Ample ventilation must always be provided when heating these heat shrink materials above 300°C. Where they are used in a production process, extraction equipment is recommended.

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

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

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