



FEP 1.6:1 Heat Shrink Sleeving

FEP 1.6:1 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	
Shrink temperature	110°C (approx.)	Chemical & solvent resistance	Virtually total
Shrink ratio	1:1.6 nominal	Hardness	D55
Shelf life	Infinite	UV resistance	Completely unaffected
Max storage temperature	20°C	Water absorption	0.01% or less
Colour	Transparent	Coefficient of friction	0.01
Toxicity	Completely non-toxic	Flammability	Non-inflammable (naturally)
Working temperature	-200° to +200°C	Radiation resistance	1 megarad
Length change on shrinking	0 to +15%	Melt temperature (for sealing)	280°C

Standard FEP 1.6:1 Ratio Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
FHS1.5/1.6:1	2.40	1.50	0.30
FHS1.9/1.6:1	3.18	1.90	0.30
FHS2.4/1.6:1	3.84	2.40	0.40
FHS2.9/1.6:1	4.76	2.90	0.35
FHS3.8/1.6:1	6.08	3.80	0.35

Light Wall FEP 1.6:1 Ratio Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
FHS2.7/1.6:1	4.32	2.70	0.20
FHS3.8L/1.6:1	6.08	3.80	0.25

Heavy Wall FEP 1.6:1 Ratio Heat Shrink Sizes

Adtech Part No	Supplied ID (mm)	Recovered ID (mm)	Wall Thickness (mm)
FHS1/1.6:1	1.60	1.00	0.50
FHS1.5H/1.6:1	2.40	1.50	0.50
FHS3/1.6:1	4.80	3.00	0.50
FHS5.7H/1.6:1	9.53	5.70	0.50
FHS11/1.6:1	17.60	11.00	0.50
FHS15/1.6:1	24.00	15.00	0.50
FHS23/1.6:1	36.80	23	0.50
FHS32/1.6:1	51.20	32.00	0.50

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

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

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