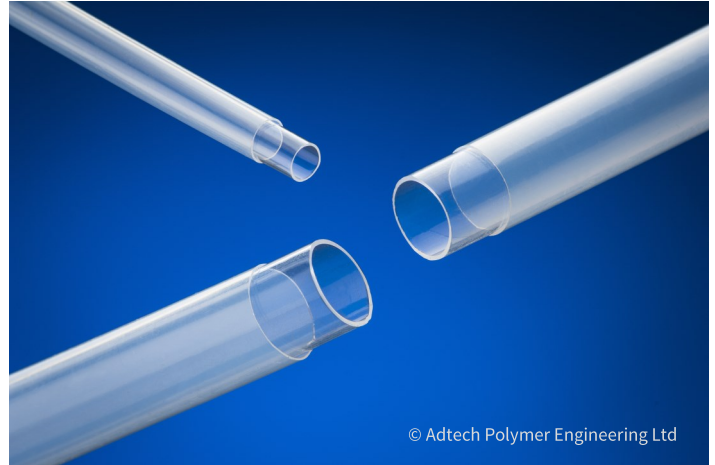


Dual Wall PTFE/FEP Heat Shrink Sleeving

Adtech **FIP** dual wall heat shrink sleeving consists of an outer sleeve of PTFE heat shrink with an integral inner wall of FEP. When the outer sleeve is shrunk down at 330°C, the FEP inner is melted and flows over the component underneath. When cooled the PTFE and FEP form a fused mass encapsulating the component.

If the component uses PTFE or FEP insulated cable (e.g. on temperature sensor element) the melted FEP will adhere to the cable thus sealing the component.

Using Adtech **FIP** it is possible to 'pot' components in a pure fluoroplastic and protect them against mechanical and chemical exposure even in immersed conditions.



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PTFE/FEP Dual Wall Heat Shrink

Adtech Part No	Supplied ID mm	Recovered ID mm	Recovered Wall
FIP0T	11.0	7.0	0.80
FIP02T	9.5	5.5	0.80
FIP04T	8.5	4.0	0.60
FIP06T	6.5	3.5	0.60
FIP08T	5.0	2.0	0.60
FIP10T	4.0	1.5	0.60
FIP12T	3.0	1.4	0.60
FIP14T	2.2	0.5	0.60
FIP16T	1.5	0	0.60
FIP19T	0.90	0	0.60

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.

Properties that make PTFE and FEP unique

- Virtually total chemical and solvent resistance
- Working temperature from -200°C to +260°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-flammable
- Non-toxic
- Inert to body tissue (does not cause reaction)

Need more technical advice? Require samples for evaluation?

Our knowledgeable customer service team can help and can be contacted either by phone or email on +44 (0) 1285 762000 or sales@adtech.co.uk.