

FEP Heat Shrink Sleeving

Features & Benefits

- 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-flammable
- Non-toxic



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

Select the correct size sleeve by allowing a generous amount of shrinkage, rather than using a tight sleeve if possible.

Standard Colours & Colour Codes

Black - 0	Yellow - 4	Grey - 8
Brown - 1	Green - 5	White - 9
Red - 2	Blue - 6	Clear - X
Orange - 3	Violet - 7	Green / Yellow - 45

Before Shrinking		After Shrinking	
Shrink temperature	110°C (approx.)	Chemical & solvent resistance	Virtually total
Shrink ratio	1:1.35 nominal	Hardness	D55
Shelf life	Infinite	UV resistance	Completely unaffected
Max storage temperature	40°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

FEP Heat Shrink Sleeving

FEP Standard Wall

Hilltop Part No.	Supplied ID mm	Shrunk ID mm	Wall mm
FEP-1.5/1-X	1.5	1.0	0.25
FEP-1.6/1.1-X	1.6	1.1	0.25
FEP-1.8/1.3-X	1.8	1.3	0.15
FEP-2.0/1.5-X	2.0	1.5	0.3
FEP-2.5/1.9-X	2.5	1.9	0.3
FEP-2.7/2.0-X	2.7	2.0	0.2
FEP-3.6/3.0-X	3.6	3.0	0.2
FEP-4.8/3.6-X	4.8	3.6	0.27
FEP-6.2/4.6-X	6.2	4.6	0.3
FEP-8.0/6.0-X	8.0	6.0	0.3
FEP-9.5/7.0-X	9.5	7.0	0.5
FEP-12/9.0-X	12	9.0	0.5
FEP-13.5/10-X	13.5	10	0.5
FEP-15/11-X	15	11	0.5
FEP-17/13-X	17	13	0.5
FEP-21/16-X	21	16	0.5
FEP-25/19-X	25	19	0.5
FEP-31/23-X	31	23	0.5
FEP-36/27-X	36	27	0.5
FEP-43/32-X	43	32	0.5
FEP-54/40-X	54	40	0.5
FEP-62/46-X	62	46	0.5
FEP-76/56-X	76	56	0.5
FEP-81/65-X	81	65	0.5
FEP-96/80-X	96	80	0.5
FEP-115/95-X	115	95	0.5
FEP-150/113-X	150	113	0.7

FEP Thin Wall

Hilltop Part No.	Supplied ID mm	Shrunk ID mm	Wall mm
FEPL-2.7/2.0-X	2.7	2.0	0.2
FEPL-5.1/3.8-X	5.1	3.8	0.25
FEPL-7.4/5.5-X	7.4	5.5	0.25
FEPL-10.2/7.5-X	10.2	7.5	0.25
FEPL-12.8/9.5-X	12.8	9.5	0.25
FEPL-18/13-X	18	13	0.25
FEPL-22/16-X	22	16	0.25
FEPL-27/19-X	27	19	0.25
FEPL-31/23-X	31	23	0.25
FEPL-36/27-X	36	27	0.25
FEPL-44/32-X	44	32	0.25
FEPL-53/39-X	53	39	0.25
FEPL-62/46-X	62	46	0.25

FEP Heavy Wall

Hilltop Part No.	Supplied ID mm	Shrunk ID mm	Wall mm
FEPH-31/23-X	31	23	1.5
FEPH-50/37-X	50	37	1.5
FEPH-66/49-X	66	49	1.5
FEPH-82/61-X	82	61	1.5
FEPH-100/74-X	100	74	1.5
FEPH-132/96-X	132	96	1.5

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