



PRINTASHRINK FEP

TECHNICAL DATA

Printashrink FEP is a heatshrinkable tubing offering the ultimate resistance to temperature, voltage, chemicals, solvents and UV light. It is naturally non-flammable, nonstick and has a working temperature of 200°C and shrink temperature of just 110°C. Available in transparent in diameters up to 150mm ID and several wall thicknesses as standard. It can be cut as required. This fluoroplastic tubing which remains flexible even at cryogenic temperatures has many advantages in addition to its resistance to high temperatures, voltage, chemicals, solvents and UV light. It has a very low co-efficient of friction and a non-stick surface, is naturally inflammable, non-toxic and inert to body tissue. Furthermore FEP heatshrink shrinks at 110°C and can weld to itself facilitating the covering or encapsulation of temperature sensitive components. FEP heatshrink is often used for cable jackets, sensor and probe covers, hose protection and electrical termination insulation. It can be manufactured to custom sizes and wall thicknesses as required.

- **SHRINK RATIO**
1:1.35
- **SHRINK TEMPERATURE**
110°C
- **OPERATING TEMPERATURE**
-200°C – + 260°C
- **FLAME RETARDANT:**
Yes
- **COLOURS**
Natural
- **SIZES**
1.5mm – 150mm
- **PACKING**
2.4m or 1.2m, cut to length, cut sleeves
- **APPROVALS**
RoHS compliant
- **APPLICATIONS/ INDUSTRIES**
General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive, Military-defence, Aerospace

Properties	Typical Values	Test Methods
GENERAL		
Operating Temperature	-200°C – +260°C	
Shrink temperature	110°C	
Melt temperature	280°C	
Shrink Ratio	1:1.35	
Length change on shrinking	0 – +15%	
Shelf Life	Infinite	

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
1.5	1.5	1.0	0.25
1.6	1.6	1.1	0.25
2.0	2.0	1.5	0.30
2.5	2.5	1.9	0.30
3.6	3.6	3.0	0.20
4.2	4.2	3.0	0.50
4.8	4.8	3.6	0.30
5.1	5.1	3.8	0.35
6.2	6.2	4.6	0.30
8.0	8.0	6.0	0.35
9.5	9.5	7.0	0.50
12	12	9.0	0.50
13.5	13.5	10.0	0.50
15	15	11.0	0.50
18	18	13.0	0.50
19	19	14.0	0.50
21	21	16.0	0.50
25	25	19.0	0.50
31	31	23.0	0.50
36	36	27.0	0.50
43	43	32.0	0.50
54	54	40.0	0.50
62	62	46.0	0.50
76	76	56.0	0.50
84	84	66.0	0.50

PHYSICAL

Water absorption	0.01% or less
Hardness	D55
Co-efficient of friction	0.01
UV Resistance	Completely unaffected
Radiation resistance	1 megarad

THERMAL

Flammability	Non-inflammable
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CHEMICAL

Chemical resistance	Virtually total
Toxicity	Completely non-toxic

Printasleeve Ltd is as diligent as possible in compiling and updating the above information. It reflects averages derived from product sample testing, is subject to normal manufacturing and testing tolerances and may be changed without notice. Furthermore aesthetic and textural style differences can result in local variation. For specific or further information concerning our products, their specifications and their utilisation please contact us.