

## Printashrink SPF

Printashrink SPF is a 2:1 shrink ratio heatshrink polyolefin with a working temperature of 135°C. It is a UL approved, fire retardant sleeve which meets MIL-SPEC requirements making it perfect for aerospace, military, defence and other professional applications. It is available in many colours and sizes up to 101.6mm ID and can be [cut](#) and [printed](#) as required.

This flexible, 2:1 heatshrink tube is ideal for a wide range of applications where MIL-SPEC and/or UL approval is necessary or favourable. It is used in many industries including military/defence, aerospace, electrical, electronic and automotive sectors and is valued for its insulation, mechanical protection and strain relief properties. Its smooth, regular surface and availability in many colours and sizes also makes it perfect for printing both text and logos. We offer our full range of printing and cutting services on this high strength, resilient tube making it perfect for branding and marking requirements



## Technical Data

- **Shrink Ratio:** 2:1
- **Shrink Temperature** >90°C
- **Operating Temperature** -55°C – +135°C
- **Flame Retardant:** Yes (except clear)
- **Colours:** Black, Red, Yellow, Blue, White, Clear, Other colours available upon request
- **Sizes:** 1.2mm ? 101.6mm
- **Packing:** Reels, mini-reels, mini-packs, cut to length, kits, cut sleeves
- **Print:** Yes, full range of text and logos in all colours
- **Approvals:** AMS-DTL-23053/5 Cl 1, 2 & 3, UL certified, CSA certified, Def Stan 59-97 Type 2b, VG 95343 Pt5 Type A+B, VDE 0341 Pt9005, BS 4G-198 Pt3 11B, RoHS compliant
- **Applications / Industries:** General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive, Military-defence, Aerospace

Properties	Typical Values	Test Methods
General		
Operating Temperature	-55°C – +135°C	
Full recovery temperature	120°C	
Shrink temperature	>90°C	
Shrink Ratio	2:1	
Physical		
Longitudinal change	+5% -5%	
Thermal		
Flammability	Pass (except clr)	ASTM D2671
Heat shock (4hrs)	No dripping, cracking or flowing	
Low temperature flexibility (4hrs @ -55°C)	No cracking	
Heat ageing (168hrs)	@ 175°C, no dripping, cracking or flowing	
Electrical		
Dielectric strength	20kV/mm min	
Chemical		
Fluid resistance	At 23°C for 24hrs, aircraft fuel, phosphate ester based, lubricating oil ester based	ISO1871 Test liquids B, 103, 101

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
1.2	1.2	0.6	0.45
1.6	1.6	0.8	0.45
2.4	2.4	1.2	0.50
3.2	3.2	1.6	0.50
4.8	4.8	2.4	0.50
6.4	6.4	3.2	0.65
9.5	9.5	4.8	0.65
12.7	12.7	6.4	0.65
19.1	19.1	9.5	0.75
25.4	25.4	12.7	0.90
32	32	16.0	0.95
38.1	38	19	1.00
50.8	51	25.4	1.15
76.2	76	38	1.25
101.6	102	51	1.40

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. E & OE

