



PRINTASHRINK SPF3 (FLAT)

Printashrink SPF3 (FLAT) is a flattened 3:1 ratio, 135°C MIL-SPEC and UL approved heatshrink polyolefin. It has excellent printability qualities and is ideal for identification in aerospace, military and defence applications. It is fire retardant and available in several colours and sizes up to 50.8mm ID and can be cut and printed as required. This continuous 3:1 heatshrink polyolefin tube is supplied flat making it compatible with most printers. It is a UL/CSA approved sleeve which meets MIL-SPEC requirements, has a 135°C working temperature and excellent electrical, chemical and physical properties. It is available on bulk and smaller reels to suit any print set up and is used in aerospace, military and defence, as well as other professional applications where a larger differential between nominal and shrunk diameter is required. We offer our full range of printing and cutting services on this high quality sleeve making it perfect for identification, branding and marking requirements.

TECHNICAL DATA

Properties	Typical Values	Test Methods
GENERAL		
Operating temperature	-40°C – + 135°C	
Minimum shrink temperature	85°C	
Shrink temperature	2:1	
PHYSICAL		
Tensile Strength	≥ 14MPa	ASTM D 638
Ultimate elongation	≥ 400%	ASTM D 638
Specific gravity	1.34g/cm ³	ASTM D 792
Longitudinal change	0% – -2%	SAE-AMS-DTL-23053
Secant Modulus	65MPa	ASTM D 882
 THERMAL		
Flammability	VW-1 pass	UL224
Heat shock (4hrs)	No dripping, cracking or flowing	SAE-AMS-DTL-23053
Low temperature flexibility (4hrs @ -55°C)	No cracking	SAE-AMS-DTL-23053
Heat ageing (168hrs)	Elongation ≥ 400%	SAE-AMS-DTL-23053

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
2.4	2.4	1.2	0.57
3.2	3.2	1.6	0.61
4.8	4.8	2.4	0.67
6.4	6.4	3.2	0.71
9.5	9.5	4.8	0.77
12.7	12.7	6.4	0.80
19.1	19.1	9.5	0.84
25.4	25.4	8.4	0.86
38.1	38.1	19.0	0.89
50.8	50.8	25.4	0.90

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.