



PRINTASHRINK CPF/FR3 (FLAT)

Printashrink CPF/FR3 (FLAT) is a flattened continuous 3:1 shrink ratio heatshrink polyolefin ideal for printers. It is UL approved, has a working temperature of 125°C and is fire retardant. It is available in a range of colours and sizes up to 39mm ID and can be cut and printed as required.

This flattened continuous 3:1 heatshrink polyolefin tube is compatible with most printers. It is a UL/CSA approved sleeve with a 135°C working temperature and is ideal for covering irregularly shaped pieces or pass over larger components. The higher shrink ratio also allows any one supplied diameter to fit a greater range of different sized applications. It is available on bulk and smaller reels to suit any print set up and is used in a number of commercial and industrial applications. We offer our full range of printing and cutting services on this high quality tube.

Properties	Typical Values	Test Methods
GENERAL		
Operating temperature	-40°C – +125°C	
Shrink temperature	85°C	
Shrink ratio	3:1	
PHYSICAL		
Tensile Strength	10.4MPa min.	GB/T1040
Ultimate elongation	≥200% min	GB/T1040
Specific gravity	1.35 max	ISO 1183
Water absorption	+/-5%	UL224
THERMAL		
Flammability	Pass	UL224
Heat shock (4hrs)	No dripping, cracking or flowing	ASTM D 2671
Heat ageing (168hrs)	@ 158°C elongation 100%	ASTM D 638

TECHNICAL DATA

- **SHRINK RATIO** 3:1
- **SHRINK TEMPERATURE** +85°C
- **OPERATING TEMPERATURE** -40°C – +125°C
- **FLAME RETARDANT** Yes
- **COLOURS** Black, Yellow, White, Other colours available upon request
- **SIZES** 2.4mm – 50.8mm
- **PACKING** Reels, mini-reels, mini-packs, cut to length, kits, cut sleeves
- **PRINT** Yes, full range of text and logos
- **APPROVALS** SAE AS-5942 MIL-STD-202G BS EN 50343:2014 Annex H Section 3 UL224 CSA RoHS compliant
- **APPLICATIONS / INDUSTRIES** General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive

Properties	Typical Values	Test Methods
ELECTRICAL		
Dielectric strength	15kV/mm ²	
CHEMICAL		
Chemical resistance	Good	AMS-DTL-23053/5
Copper corrosion	No corrosion	UL224
Copper stability	No corrosion	UL224

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
2.4	2.4	0.8	0.57
3.2	3.2	1.0	0.61
4.8	4.8	1.6	0.67
6.4	6.4	2.4	0.71
9.5	9.5	3.2	0.77
12.7	12.7	4.8	0.80
19.1	19.1	6.4	0.84
25.4	25.4	8.4	0.86
38.1	38.1	12.7	0.89
50.8	50.8	18.0	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.