



## PRINTASHRINK CPF/FR

**Printashrink CPF/FR is a commercial grade 2:1 shrink ratio heatshrink polyolefin with a working temperature of 135°C. It is a UL approved, fire retardant sleeve ideal for general use in high quality equipment and is readily available in many colours in sizes up to 150mm ID and can be cut and printed as required.**

This high quality tubing is perfect for commercial applications where a 135°C working temperature and UL/CSA approval is required. It is often used for insulation, wire bundling and mechanical protection, and is available in many colours and sizes as standard. The range of colours and sizes also makes it popular for printing both text and logos. We offer our full range of printing and cutting services on this high quality, commercial sleeve making it perfect for identification, branding and marking requirements.

Properties	Typical Values	Test Methods
<b>GENERAL</b>		
Operating temperature	-55°C – +135°C	
Shrink temperature	100°C	
Shrink ratio	2:1	
<b>PHYSICAL</b>		
Tensile Strength	10MPa min.	ISO 37
Ultimate elongation	250% min	ISO 37
Specific gravity	1.35 max	ISO 1183
<b>THERMAL</b>		
Flammability	Pass (except clr)	ASTM D876
Heat shock (4hrs)	No dripping, cracking or flowing	ASTM D2671
Low temperature flexibility (4hrs @ -55°C)	No cracking	ASTM D876
Heat ageing (168hrs)	@ 175°C elongation 150% max	ISO 188 & 37

## TECHNICAL DATA

- **SHRINK RATIO**  
2:1
- **SHRINK TEMPERATURE**  
100°C
- **OPERATING TEMPERATURE**  
-55°C – +135°C
- **FLAME RETARDANT**  
Yes (except clear)
- **COLOURS**  
black, red, yellow, blue, white, green/yellow, clear, Other colours available upon request
- **SIZES**  
1.2mm - 150.0mm
- **PACKING**  
Reels, mini-reels, mini-packs, cut to length, kits, cut sleeve sleeves
- **PRINT**  
Yes, full range of text and logos in all colours
- **APPROVALS**  
AMS-DTL-23053/5 DEF STAN 59-97 VG 95343 Pt5, UL 224 VW1 600V 125C, CSA 600V 125°C, RoHS compliant
- **APPLICATIONS / INDUSTRIES**  
General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive

Properties	Typical Values	Test Methods
<b>ELECTRICAL</b>		
Dielectric strength	20kV/mm min	IEC 243
<b>CHEMICAL</b>		
Copper corrosion	No corrosion	ASTM D2671
Fluid resistance	Gasoline, hydraulic fluid, lubricating oil, tensile 7MPa max, elongation 200% max	ISO 1817 & 37
Fungus resistance	Tensile 10MPa max, elongation 250% max	ISO 846 & 37

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
1.2	1.5	0.6	0.45
1.6	3.0	0.8	0.45
2.4	4.5	1.2	0.50
3.2	6.0	1.6	0.50
4.8	9.0	2.4	0.50
6.4	12.0	3.2	0.65
9.5	15.0	4.8	0.65
12.7	18.0	6.4	0.65
19.1	24.0	9.5	0.75
25.4	30.0	12.7	0.90
38.1	39.0	19.1	1.00
50.8	50.8	25.4	1.12
60.2	76.2	38.1	1.25
101.6	102	50.8	1.40
126.0	126.0	63.5	1.50
150.0	150.0	75.0	1.52

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.