

## Printashrink CPF/FR3

Printashrink CPF/FR3 is a commercial grade 3:1 shrink ratio heatshrink polyolefin with a working temperature of 135°C. It is a UL approved, fire retardant sleeve able to accommodate difficult or irregular shapes is readily available in a number of colours and sizes up to 39mm ID and can be [cut](#) and [printed](#) as required.

This flexible 3:1 heatshrink polyolefin sleeve is perfect for commercial applications where a 135°C working temperature is needed to cover 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 both UL and CSA approved and has excellent electrical, chemical and physical properties. 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.



## Technical Data

- **Shrink Ratio:** 3:1
- **Shrink Temperature:** 100°C
- **Operating Temperature:** -55°C – +135°C
- **Flame Retardant:** Yes (except clear)
- **Colours:** Black, Clear, Other colours available upon request
- **Sizes:** 1.5/0.5mm ? 39/13mm
- **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 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
General		
Operating Temperature	-55°C – +135°C	
Shrink temperature	100°C	
Shrink Ratio	3:1	
Physical		
Tensile Strength	10MPa min.	ISO 37
Ultimate elongation	250% min	ISO 37
Specific gravity	1.35 max	ISO 1183
Water absorption	0.5% max	ISO 62
Thermal		
Flammability	Pass (except clear)	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
Electrical		
Dielectric strength	20kV/mm min	IEC 243
Chemical		
Copper corrosion	No corrosion	ASTM D2671
Fluid resistance	Gasoline, hydraulic fluid, lubricating oil, tensile 10MPa 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)
1.5/0.5	1.5	0.5	0.45
3/1	3.0	1.0	0.55
4.8/1.6	4.5	1.5	0.56
6/2	6.0	2.0	0.65
9/3	9.0	3.0	0.75
12/4	12.0	4.0	0.75
15/5	15.0	5.0	0.60
18/6	18.0	6.0	0.85
24/8	24.0	8.0	1.00
30/10	30.0	10.0	0.90
39/13	39.0	13.0	1.15

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

