



## PRINTASHRINK CPF/FR4

## TECHNICAL DATA

**Printashrink CPF/FR4 is a 4:1 shrink ratio heatshrink polyolefin with a working temperature of 135°C. It is a fire retardant sleeve perfect for difficult or irregular shapes where an unusually high shrink ratio is required. Supplied in black as standard, diameters up to 115mm ID are cut and printed as required.**

This 4:1 heatshrink polyolefin tube is designed for commercial or industrial applications where an extremely high ratio is needed to cover irregularly shaped pieces or pass over large components before shrinking. It has excellent electrical, chemical and physical properties and we offer a range of printing and cutting services on this high quality, commercial sleeve making it equally suitable

- **SHRINK RATIO**  
4:1
- **SHRINK TEMPERATURE**  
100°C
- **OPERATING TEMPERATURE**  
-55°C – +135°C
- **FLAME RETARDANT**  
Yes
- **COLOURS**  
Black
- **SIZES**  
19mm – 115mm
- **PACKING**  
1 metre lengths, cut to length, cut sleeves
- **PRINT**  
Yes, full range of text and logos in all colours
- **APPROVALS**  
RoHS compliant
- **APPLICATIONS / INDUSTRIES**  
General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive

Properties	Typical Values	Test Methods
<b>GENERAL</b>		
Operating temperature	-55°C – +135°C	
Medium Shrink temperature	-55°C – +135°C	
Shrink ratio	4:1	
<b>PHYSICAL</b>		
Tensile Strength	14Mpa	ISO 37
Ultimate elongation	800% min	ISO 37
Specific gravity	1.35 max	ISO 1183
Water absorption	0.5% max	ISO 62
<b>THERMAL</b>		
Flammability	Pass	ASTM D876
Heat shock (4hrs)	No dripping, flowing or cracking	ASTM D 2671
Low temperature flexibility (4hrs @ -55°C)	No cracking	ASTM D2671

<b>ELECTRICAL</b>		
Dielectric strength	22KV/mm min	IEC 243
<b>CHEMICAL</b>		
Copper corrosion	No corrosion	ASTM D2761
Fluid resistance	Gasoline, hydraulic fluid, lubricating oil, tensile 5MPa 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)
19	19	4.6	1.70
25.4	25.4	7.0	1.70
38.1	38.1	9.5	1.70
50.8	50.8	14.0	1.70
76.2	76.2	20.6	1.70
102	102	26.7	1.70
115	115	36.8	1.70

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.