

Printashrink PF/A1 coloured

Printashrink PF/A1 3-1 is a 3:1 shrink ratio, dual wall heatshrink polyolefin with an integral thermoplastic adhesive liner. It provides encapsulation of inner components, environmental sealing and moisture-resistant insulation, and is available in red, white, yellow, green, blue in sizes up to 40mm ID. It can be [cut](#) and [printed](#) as required.

This glue lined, 110°C, general purpose tube consists of a flame retarded heatshrink polyolefin tube with a thermally activated inner adhesive liner. The inner liner melts and flows to encapsulate connectors and components providing a moisture-resistant, environmentally protective, permanent seal. It is UL approved and available in 1.2 metre lengths or on reels. Its availability in many colours and sizes makes it perfect for colour coding as well as printing both text and logos. We offer a range of printing and cutting services on this high strength, resilient tube also making it perfect for identification, branding and marking requirements.

Technical Data

- **Shrink Ratio:** 3:1
- **Shrink Temperature** 100°C
- **Operating Temperature** -55°C – +110°C
- **Flame Retardant:** Pass (jacket only)
- **Colours:** Red, White, Yellow, Green, Blue
- **Sizes:** 3/1mm ? 40/13mm
- **Packing:** 1.2 metre lengths, cut to length, cut sleeves
- **Print:** Yes, full range of text and logos in all colours
- **Approvals:** UL approval, AMS-DTL-23053/4, CSA certified, RoHS compliant
- **Applications / Industries:** General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive, Marine



Properties	Typical Values	Test Methods
General		
Operating Temperature	-55°C – +110°C (jacket)	
Full recovery temperature	100°C	
Shrink Ratio	3:1	
Physical		
Tensile Strength	9MPa min	ISO 37
Ultimate elongation	300% max	ISO 37
Specific gravity	1.25 max	ISO 1183
Water absorption	0.5% max	ISO 62
Thermal		
Flammability	Pass (jacket only)	ASTM 876
Heat shock (4hrs)	at 225°C, no dripping, cracking or flowing of outer wall	ASTM D2671
Low temperature flexibility (4hrs @ -55°C)	No cracking	ASTM D2671
Heat ageing (168hrs)	at 150°C, no dripping, cracking or flowing of outer wall	ISO 188
Electrical		
Dielectric strength	12kV/mm min	IEC 243-1
Chemical		
Copper corrosion	No corrosion	ISO 1817
Fluid resistance	Diesel fuel, hydraulic fluid, lubricating oil – tensile 7MPa max, elongation 300% max	ISO 1817 & 37

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
3/1	3.0	1.0	0.96
4.5/1.5	4.5	1.5	1.09
6/2	6.0	2.0	1.14
9/3	9.0	3.0	1.39
12/4	12.0	4.0	1.75
19/6	19.0	6.0	2.20
24/8	24.0	8.0	2.54
40/13	40.0	13.0	2.54

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

