

## Printashrink PF-A1 6-1

Printashrink PF/A1 6-1 is a 6:1 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 black and clear as standard in sizes up to 119.4mm ID. It can be [cut](#) and [printed](#) as required.

This glue lined, 110°C, 6:1 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 which is able to accommodate a very wide variety of connector shapes and large differentials between pre and post shrinking. It is available in 1.2 metre lengths and with or without adhesive lining. We offer our full cutting and limited printing service on this specialist sleeve.

### Technical Data

- **Shrink Ratio:** 6:1
- **Shrink Temperature** 120°
- **Operating Temperature** -55°C – +110°C
- **Colours:** Black
- **Sizes:** 19/3.2mm ? 119.4/22.9mm
- **Packing:** 1.2 metre lengths, cut to length, cut sleeves
- **Print:** Yes subject to testing
- **Approvals:** 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)	
Shrink temperature	120°C	
Shrink Ratio	6:1	
Physical		
Tensile Strength	14.5MPa	ASTM-D 412, ISO 37
Ultimate elongation	600%	ASTM-D 412, ISO 37
Specific gravity	1.10g/cm <sup>3</sup>	ASTM-D 792
Longitudinal change	+1% to -10% max	ASTM-D 2671
Water absorption	0.10%	ASTM-D 570
Hardness	50 D (shore D)	ASTM-D 2240
Thermal		
Heat shock (4hrs)	at 225°C, No cracking or flowing	ASTM-D 2671
Low temperature flexibility (4hrs @ -55°C)	Does not break	ASTM D 2671 Meth. C
Heat ageing (168hrs)	at 150°C, 400%	ASTM-D 2671
Electrical		
Dielectric strength	20kV/mm	ASTM-D 149/IEC 243
Volume resistivity	10 <sup>12</sup> Ωcm	ASTM-D 257
Dielectric Voltage	2500V, 60Hz, 1min, no breakdown	UL 486D
Chemical		
Chemical resistance	Good – excellent	
Copper corrosion	No corrosion	ASTM-D 2671

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
19/3.2	19.0	3.2	3.20
33/5.5	33.0	5.5	3.40
44.4/7.4	44.4	7.4	3.60
50.8/8.3	50.8	8.3	4.30
69.8/11.7	69.8	11.7	4.80
88.9/17.1	88.9	17.1	4.80
119.4/22.9	119.4	22.9	4.80

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

