



## PRINTASHRINK PF/A1 MW

Printashrink PF/A1 MW is a medium walled heatshrink polyolefin with an integral thermoplastic adhesive liner. With a 3:1 shrink ratio, it has all the advantages of the standard PF/A1 3-1, but provides a greater resistance to abrasion and chemicals. It is available in black as standard in sizes up to 200mm ID and can be [cut](#) and [printed](#) as required. This glue lined, 110°C, medium walled tube consists of a heatshrink polyolefin tube with a thermally activated inner adhesive liner. The inner liner melts and flows to encapsulate connectors and components providing moisture-resistant, environmental protection, strain relief and insulative properties perfect for low voltage electrical and mechanical applications where a degree of flexibility is important. 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**
  - **SHRINK TEMPERATURE** 120°C
  - **OPERATING TEMPERATURE** -55°C – +110°C
  - **COLOURS** Black
  - **SIZES** 8/2mm – 200/60mm
  - **PRINT** Yes, subject to testing
- **APPROVALS** RoHS compliant
- **APPLICATIONS / INDUSTRIES** General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive, Marine
- **PACK-ING** 1.2 metre lengths, cut to length, cut sleeves

Properties	Typical Values	Test Methods
<b>GENERAL</b>		
Operating temperature	-55°C – +110°C (jacket)	
Shrink temperature	120°C	
Shrink ratio	3:1 (min)	
<b>PHYSICAL</b>		
Tensile Strength	14Mpa	ASTM D 638
Ultimate elongation	>400%	ASTM D 638
Longitudinal change	+0% to -10%	UL 224
Water absorption	<0.15%	ISO 62
Heat ageing (168hrs)	@ 175°C elongation 350% max	ISO 188 & 37

### ELECTRICAL

Dielectric strength	>20kV/mm	IEC 243
Volume resistivity	10 <sup>14</sup> Ωcm	IEC 93

### CHEMICAL

Copper stability	Pass	ASTM-D 2671
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Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
8/2	8.0	2.0	1.70
12/3	12.0	3.0	2.00
16/5	16.0	5.0	2.20
22/6	22.0	6.0	2.50
28/6	28.0	6.0	2.50
33/8	33.0	8.0	2.50
40/12	40.0	12.0	2.50
40/13	45.0	13.0	2.70
55/16	55.0	16.0	2.80
65/19	65.0	19.0	3.00
75/22	75.0	22.0	3.00
85/25	85.0	25.0	3.00
95/25	95.0	25.0	3.00
115/34	115.0	34.0	3.00
140/42	140.0	42.0	3.00
16/50	160.0	50.0	3.00
175/55	175.0	55.0	3.00
200/60	200.0	60.0	3.00

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.