



## PRINTASHRINK PTFE 4-1

Printashrink PTFE 4-1 is a heatshrinkable sleeving with exceptional resistance to chemicals, solvents and high temperatures. It has a continuous operating temperature of up to 250°C, a 4:1 shrink ratio as well as high electrical and total UV resistance. It is available in transparent in sizes up to 50.8mm ID and can be cut as required. This equivalent to Teflon® which has an operating temperature of up to 250°C, offers exceptional resistance to virtually all fuels, chemicals and solvents, and is non-flammable. It is suitable for use in many applications where its unique properties are used to solve problems other materials are unable to including aircraft, medical and chemically hostile environments. We offer a range of cutting services on this tube.

## TECHNICAL DATA

- **SHRINK RATIO**  
4 : 1
- **SHRINK TEMPERATURE** 327°C
- **OPERATING TEMPERATURE** -67°C – + 250°C
- **FLAME RETARDANT** Yes
- **COLOURS**  
Natural, many others on request
- **SIZES**  
2.0mm – 50.8mm
- **PACKING**  
Reels, 1.2 metre lengths, cut to length, cut sleeves
- **APPROVALS** AMS-DTL-23053/12, DEF STAN 59-97, RoHS Compliant
- **APPLICATIONS / INDUSTRIES**  
General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive, Military defence, Aerospace

Properties	Typical Values	Test Methods
<b>GENERAL</b>		
Operating temperature	-67°C – + 250°C	
Shrink temperature	327°C	
Shrink ratio	4:1	
<b>PHYSICAL</b>		
Tensile Strength	17.2MPa – 31Mpa	ASTM D638
Ultimate elongation	225% – 450% min	ASTM D638
Co-efficient of friction	0.1	
<b>THERMAL</b>		
Flammability	Non burning	ASTM D876

Properties	Typical Values	Test Methods
<b>ELECTRICAL</b>		
Dielectric strength	40kV/mm	ASTM D876
Dielectric constant	2.05±0.05	ASTM D150
Volume resistivity	10 <sup>18</sup> Ωcm	ASTM D876
<b>CHEMICAL</b>		
Chemical resistance	Good	
Copper corrosion	No corrosion	AMS-DTL-23053
Fluid resistance	No changes in properties	AMS-DTL-23053

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
2.0	2.0	0.6	0.23
3.2	3.2	0.9	0.25
4.8	4.8	1.3	0.30
6.4	6.4	1.6	0.30
9.5	9.5	2.4	0.38
12.7	12.7	3.7	0.38
15.8	15.8	4.5	0.38
19.0	19.0	5.7	0.38
25.4	25.4	7.1	0.38
38.1	38.1	10.1	0.38
50.8	50.8	13.1	0.51

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.