



Printashrink HSK

TECHNICAL DATA

Printasleeve HSK is an extremely tough, high temperature, thin wall polyvinylidene fluoride (PVDF) heatshrinkable sleeve. It has a 2:1 shrink ratio, continuous operating temperature of up to 175°C and excellent resistance to fuels, solvents and chemicals. Available in transparent or black up to 25.4mm ID as standard, it can be **cut** and **printed** as required.

This equivalent to Kynar® is a semi-rigid tube which has an operating temperature of 175°C and can withstand temperatures of over 300°C for short periods. It has superior cut-through and abrasion resistance and offers excellent resistance to most fuels, chemicals and solvents. It is favoured in high temperature applications for strain relief, chemical resistance as well as mechanical and abrasion protection. We offer a range of printing and cutting services on this tough, high temperature tube also making it perfect for identification, branding and marking requirements.

- **SHRINK RATIO**
2:1
- **SHRINK TEMPERATURE**
170°C
- **OPERATING TEMPERATURE**
-55°C – + 175°C
- **FLAME RETARTANT**
Yes
- **COLOURS**
Natural
- **SIZES**
1.2mm – 25.4mm
- **PACKAGING**
Reels, 1.2 metre lengths, cut to length, cut sleeves
- **PRINT**
Yes, full range of text and logos
- **APPROVALS**
AMS-DTL-23053/8, DEF STAN 59-97, VG95343 Pt 5, UL VW1, RoHS Compliant
- **APPLICATIONS/ INDUSTRIES**
General, Commercial, Electrical, Electronics, Industrial, Mechanical, Automotive, Military-defence, Aerospace

Properties	Typical Values	Test Methods
GENERAL		
Operating Temperature	-55°C – +175°C	
Shrink temperature	170°C	
Shrink Ratio	2:1	
PHYSICAL		
Tensile Strength	35MPa min	IEC 60684-2 CI19.1 & 19.2
Ultimate elongation	150% min	IEC 60684-2 CI19.1 & 19.2
Water absorption	0.5% max	IEC 60684-2 CI40

THERMAL

Heat shock (4hrs)	at 300°C, no dripping, cracking or flowing	IEC 60684-2 CI6
Heat aging (168hrs)	at 200°C, tensile 15MPa min, elongation 75% min	

ELECTRICAL

Dielectric strength	32kV/mm min	
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CHEMICAL

Copper corrosion	No corrosion	IEC 60684-2 CI36
Fluid resistance	Excellent, tensile 25MPa min, elongation 150% min	IEC60684-2 CI36, 19.1 & 19.2
Oxygen Index	Tensile 35MPa min, elongation 150% min	ISO 846 meth. B, IEC 60684-2 CI19.1 & 19.2

Size (mm)	Supplied diameter (mm)	Shrunk diameter (mm)	Nominal wall thickness (mm)
1.2	1.2	0.6	0.25
1.6	1.6	0.8	0.25
2.4	2.4	1.2	0.25
3.2	3.2	1.6	0.25
4.8	4.8	2.4	0.25
6.4	6.4	3.2	0.3
9.5	9.5	4.8	0.3
12.7	12.7	6.4	0.3
19	19.0	9.5	0.48
25.4	25.0	12.7	0.48

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.