

HPD Sleaving (3:1) Metric – Technical Data Sheet

Product Data

Storage:

Cool dry place out of direct sunlight
Recommended temp +10°C to 25°C

Recommended Printer & Ribbon:

Sumitag Printer:

300 DPI Printer STP-XD4T-300-S-NC-S
STP-SQX-300M-S-NC-510

Ribbon 2020 series Black
173 Series White

See Ribbon TDS for Print performance

Material:

Flexible Polyolefin

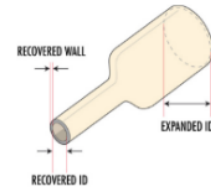
Operating Temperature:

-55°C to +135°C

Application Method – Shrink on

HP (High Performance) sleeving (Also known as Mil Spec) is Very flexible, high temperature rated, highly flame retardant, heat shrinkable tubing (3:1 shrink ratio). Flexible polyolefin sleeves used for wire identification and insulation purposes. Markers are supplied roll form in a flattened format on a carrier designed for use with both dot matrix and transfer thermal printers. Can also be supplied on spools for continuous printing applications.

- Flame Retardant
- Self-Extinguishing
- Print onto Paper liner for QA
- Print Performance to Military requirements (See ribbon TDS)
- Available in 12 colours
- 12.5, 25 & 50mm Sleeve lengths



3:1 Sleeves:

Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Wall Thickness Recovered (Nom.)	Minimum Markers/Box	Order Code
1.5	0.5	0.5	1000	HPD-015-500-**-S-3X_V2
3.0	1.0	0.6	1000	HPD-030-500-**-S-3X_V2
4.8	1.6	0.65	1000	HPD-048-500-**-S-3X_V2
6.0	2.0	0.7	1000	HPD-060-500-**-S-3X_V2
9.0	3.0	0.8	500	HPD-090-500-**-S-3X_V2
12.0	4.0	0.85	500	HPD-120-500-**-S-3X_V2
18.0	6.0	1.0	500	HPD-180-500-**-S-3X_V2
24.0	8.0	1.2	300	HPD-240-500-**-S-3X_V2
40.0	13.0	1.25	100	HPD-400-500-**-S-3X_V2

** = See colour codes below

3:1 Continuous sleeving:

Minimum ID Supplied (mm)	Maximum ID Recovered (mm)	Wall Thickness Recovered (Nom.)	Minimum Spool length (M)	Order Code
1.5	0.5	0.5	30	HPC-015-30M-**-3X
3.0	1.0	0.6	30	HPC-030-30M-**-3X
4.8	1.6	0.65	30	HPC-048-30M-**-3X
6.0	2.0	0.7	30	HPC-060-30M-**-3X
9.0	3.0	0.8	30	HPC-090-30M-**-3X
12.0	4.0	0.85	30	HPC-120-30M-**-3X
18.0	6.0	1.0	30	HPC-180-30M-**-3X
24.0	8.0	1.2	20	HPC-240-20M-**-3X
40.0	13.0	1.25	15	HPC-400-15M-**-3X

** = see colour codes below

Colour Codes

BK Black
BN Brown
RD Red
OR Orange
YW Yellow
GN Green

Colour Codes

BE Blue
VT Violet
GY Grey
WE White
PK Pink

Please contact us for any sizes not listed.....

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Product Properties

Property	Result	Test Method
Operating Temperature	-55°C to +135°C	
Min. Shrink Temperature for Full Recovery	+90°C	
Shrinking starts at	+60°C	
Heat Shock (250°C x 4h)	no crack, flowing or dripping	SAE-AMS-DTL-23053
Cold bend (55°C x 4h)	no cracks	SFP
Elongation After Heat Ageing (158°C x 168h)	100% min.	SAE-AMS-DTL-23053
Tensile strength after ageing (158°C x 168h)	7.3 MPa Min	SAE-AMS-DTL-23053
Corrosion of bare copper (158°C x 168h)	no corrosion	SFP
Copper Stability (158°C x 168h)	no cracks	SFP
Longitudinal Change	-15% Min	SFP
Tensile Strength	10.4M Pa Min.	ASTM D 638
Elongation at Break	200% Min.	ASTM D 638
Secant Modulus	173 MPa max	ASTM D 882
Flammability*	60sec. Max.	UL 224 VW-1
Voltage Rating	600V	SFP
Dielectric Voltage Withstand (2.5kV x 60sec.)	no breakdown	SFP
Dielectric Voltage Withstand after ageing 158°C x 168h)	no breakdown	SFP
Volume Resistivity	10 ¹⁴ Ohm-cm, Min.	ASTM D 876
UV Resistance	Print - No / Background - Slight Darkening	BS EN ISO 4892-3:2016 Method A / Cycle 1
Fluid Susceptibility	No deterioration observed.	ISO 1817 Liquid B
	No deterioration observed.	ISO 1817 Liquid F
	No deterioration observed.	Isopropanol Alcohol
	No deterioration observed.	25% Propanol 75% White spirit

*Results derived from UL registered product.

Business Management Accreditations



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