

HPD Sleeving – Technical Data Sheet

Product Data

Storage:

Cool dry place out of direct sunlight

Recommended Printer & Ribbon:

Sumitag Printer:

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

Ribbon 2020 series 173 Series Black 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 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)
- Colours- white-yellow
- 12.5, 25 & 50mm Sleeve lengths



3:1 Sleeves:

Minimum ID Supplied (mm)	Maximum ID mm Recovered (Nom.)	Wall Thickness mm Recovered (Nom.)	Minimum Markers/Box	Order Code
2.4mm	0.8	0.6	4000	HPD-024-125-**-S-3X_V2
2.4mm	0.8	0.6	2000	HPD-024-250-**-S-3X_V2
2.4mm	0.8	0.6	1000	HPD-024-500-**-S-3X_V2
3.2mm	1.1	0.6	4000	HPD-032-125-**-S-3X_V2
3.2mm	1.1	0.6	2000	HPD-032-250-**-S-3X_V2
3.2mm	1.1	0.6	1000	HPD-032-500-**-S-3X_V2
4.8mm	1.6	0.6	4000	HPD-048-125-**-S-3X_V2
4.8mm	1.6	0.6	2000	HPD-048-250-**-S-3X_V2
4.8mm	1.6	0.6	1000	HPD-048-500-**-S-3X_V2
6.4mm	2.1	0.6	4000	HPD-064-125-**-S-3X_V2
6.4mm	2.1	0.6	2000	HPD-064-250-**-S-3X_V2
6.4mm	2.1	0.6	1000	HPD-064-500-**-S-3X_V2
9.5mm	3.2	0.6	2000	HPD-095-125-**-S-3X_V2
9.5mm	3.2	0.6	1000	HPD-095-250-**-S-3X_V2
9.5mm	3.2	0.6	500	HPD-095-500-**-S-3X_V2
12.7mm	4.2	0.6	2000	HPD-127-125-**-S-3X_V2
12.7mm	4.2	0.6	1000	HPD-127-250-**-S-3X_V2
12.7mm	4.2	0.6	500	HPD-127-500-**-S-3X_V2
18.0mm	6.4	0.6	2000	HPD-180-125-**-S-3X_V2
18.0mm	6.4	0.6	1000	HPD-180-250-**-S-3X_V2
18.0mm	6.4	0.6	500	HPD-180-500-**-S-3X_V2
25.4mm	8.5	0.64	300	HPD-254-125-**-S-3X_V2
25.4mm	8.5	0.64	300	HPD-254-250-**-S-3X_V2
25.4mm	8.5	0.64	300	HPD-254-500-**-S-3X_V2
38.1mm	19.1	0.5	100	HPD-381-500-**-S-3X_V2

* Tolerance of -0.2mm is applied to the unrecovered diameter.

3:1 Continuous Sleeving:

Minimum ID Supplied (mm)	Maximum ID mm Recovered (Nom.)	Wall Thickness Recovered (Nom.)	Minimum Spool length (M)	Order Code
2.4mm	1.2mm	0.6	30	HPC-024-30M-**-3X
3.2mm	1.6mm	0.6	30	HPC-032-30M-**-3X
4.8mm	2.4mm	0.6	30	HPC-048-30M-**-3X
6.4mm	3.2mm	0.6	30	HPC-064-30M-**-3X
9.5mm	4.8mm	0.6	30	HPC-095-30M-**-3X
12.7mm	6.4mm	0.6	30	HPC-127-30M-**-3X
18.0mm	9.5mm	0.6	30	HPC-180-30M-**-3X
25.4mm	12.7mm	0.64	20	HPC-254-20M-**-3X
38.1mm	19.1mm	0.5	20	HPC-381-20M-**-3X

* Tolerance of -0.2mm is applied to the unrecovered diameter.

** WE (White), YW (Yellow)

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

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Product Properties

Property	Result	Test Method
Operating Temperature	-55°C to +135°C	SAE-AS23053
Flammability*	VW-1	UL 224
Elongation after heat ageing	>400%	SAE-AS23053
Heat shock	Pass	SAE-AS23053
Longitudinal change	-15%	SAE-AS23053
Tensile Strength	>10.4 MPa (min)	ASTM D 638
Elongation at break	>400 MPa	ASTM D 638
Secant Modulus	173 MPa	ASTM D 412
Voltage rating*	600V	UL 224
Min. shrink temp for full recovery	90°C	Shrink Curve
UV Resistance		BS EN ISO 4892-3:2016
Printed ink	No bleaching	
HP(X) 3X Sleeving	Slight darkening	
Fluid Susceptibility	No deterioration observed.	ISO 1817 Liquid B @ 40°C
	No deterioration observed.	ISO 1817 Liquid F @ 40°C
	No deterioration observed.	Isopropanol Alcohol @ 40°C
	No deterioration observed.	25% Propanol 75% White spirit @ 25°C

* Results derived from UL registered product

Business Management Accreditations



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