

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. 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-2X_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-**-2X

* 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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