

Cable & Wire Identification

HSP3F

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Endless Flattened 3:1 UL224/CSA heat-shrink tubing with ideal properties for identification by thermal transfer printing . Designed to cover a wide range of applications for panel builders, shipyard and cable harness manufacturing

Features

Very good print results Flame retardant according to UL224/CSA Ready to use for thermal transfer printers 3:1 shrink ratio in inch size Shrink temperature > 90°C Operating Temperature -55°C to 135°C



Size inch	Size mm	Flat width (NOM) mm	Max. ID recovered mm	Recovered wall thickness (NOM) mm
3/32	2.4	4,2	0.8	0.53
1/8	3.2	5,6	1.0	0.58
3/16	4.8	7,6	1.6	0.58
1/4	6.4	10,7	2.0	0.63
3/8	9.5	15,1	3.0	0.63
1/2	12.7	20,9	4.0	0.68
3/4	19.1	30,9	6.0	0,90
1	25.4	40,5	8.0	1,00
1 ½	38.1	60,5	12.7	1.10'

Stock colours

Non stock colours



black baby baby blue red

by baby all d green others

SAE AS81531 4.6.2* MIL-STD-202G method 215K*

CSA C 22.22 No. 198.1-98, OFT

HSP3F is the flattened version of our round tubing HSP3

Detailed technical information which include physical, thermal, chemical and electrical properties can be found in HSP3 technical datasheet

To check those details please visit our website.

Description	Test method	Typical value
Adherence test (eraser method)	SAE AS81531	legible
Fluid resistance:	MIL-STD-202G method 215K	
Isopropyl Alcohol/Mineral Spirits Blend	10 rubs (X3)	legible
Terpene Defluxer	10 rubs (X3)	legible
H ₂ O/PGME/Monoethanolamine	10 rubs (X3)	legible

Description	Test method	Ribbon Y201P	Ribbon Y501P
Scratch test (rough sponge method)	in-house		
	10 rubs	good	very good
Solvent test	in-house		
isopropyl alcohol 99,9%	10 rubs	good	excellent
isopropyl alcohol 99,9%	20 rubs	good	excellent

Description		Ribbon Y201P	Ribbon Y501P		
Smear res	sistance (10 rubs)				
	Diesel	2	2		
	Hydraulic oil	1	1		
	Unleaded gasoline	3	4		
	Ethyl alcohol 92%	1	1		
	Ethyl alcohol 95%	1	2		
Legend:	Legend: 1 – no effect; 2 – slight fading; 3 – moderate fading but still legible;				

Ribbons recommended: best print results are achieved with our recommended ribbons Standard packaging: available on bulk reels and small reels (detailed information on request)

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