

HEAT SHRINKABLE POLYOLEFIN

FLEXIBLE · MEDIUM-WALL · 3:1 · ADHESIVE-LINED

Heat shrinkable **HWP** has a flexible, medium wall Polyolefin jacket and an adhesive liner. **HWP** is suitable for a variety of low voltage electrical and mechanical applications including wire splices, transition breakouts, and connector to cable protection.

UL File Number: UL #E52612
 Operating Temperature Range: -40°F (-40°C) to 230°F (110°C)
 Shrink Ratio: 3 to 1
 Shrink Temperature: 257°F (125°C)
 Recommended Heat Gun: 500°F (260°C)
 Standard Colors: Black
 Standard Shipping Length: 4 Foot Lengths

Catalog Number Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Total Wall Thickness (Rec.)		Adhesive Wall Thickness (Rec.)		Std. 4-ft Lengths ft / pkg
	inches	mm	inches	mm	inches	mm	inches	mm	
HWP-1/8	0.125	3.18	0.040	1.02	0.040	1.00	0.010	0.25	200, 1000
HWP-3/16	0.188	4.76	0.060	1.52	0.055	1.40	0.020	0.51	200, 1000
HWP-1/4	0.250	6.35	0.080	2.03	0.057	1.45	0.022	0.56	100, 1000
HWP-3/8	0.375	9.53	0.120	3.05	0.065	1.65	0.027	0.68	100, 1000
HWP-1/2	0.500	12.70	0.157	3.99	0.070	1.78	0.030	0.76	100, 500
HWP-3/4	0.750	19.05	0.230	5.84	0.080	2.03	0.030	0.76	100, 300
HWP-1"	1.000	25.40	0.320	8.13	0.100	2.50	0.030	0.76	60, 120
HWP-1-1/2"	1.500	38.10	0.530	13.46	0.100	2.50	0.030	0.76	20, 40

HES1000
HES2000

HEAT SHRINKABLE POLYOLEFIN

SEMI-RIGID · MEDIUM-WALL · 4:1 · ADHESIVE-LINED

HES is a semi-rigid, heat shrinkable, cross-linked Polyolefin tubing with adhesive lining suitable for environmentally sealing a wide variety of low voltage electrical and mechanical applications, including wire splices, terminations, and components. **HES** is mechanically tough, providing strain relief and abrasion protection for the material being covered.

UL File Number: E194625
 Operating Temperature Range: -40°F (-40°C) to 266°F (130°C)
 Shrink Ratio: 4 to 1
 Shrink Temperature: 275°F (135°C)
 Recommended Heat Gun: 500°F (260°C)
 Colors: Clear - HES1000
 Black - HES2000
 Standard Shipping Length: 4 Foot Lengths
 Cut piece quotes on request

Catalog Number Size	Minimum Expanded I.D.		Maximum Recovered I.D.		Total Wall Thickness (Rec.)		Jacket Wall Thickness (Rec.)		Adhesive Wall Thickness (Rec.)		Std. 4-ft Lengths ft / pkg
	inches	mm	inches	mm	inches	mm	inches	mm	inches	mm	
HES1000-1	0.225	5.72	0.050	1.27	0.047	1.19	0.025	0.64	0.022	0.56	100, 200
HES1000-2	0.293	7.44	0.065	1.65	0.060	1.52	0.030	0.76	0.030	0.76	100, 200
HES1000-3	0.427	10.85	0.095	2.41	0.075	1.91	0.035	0.89	0.040	1.02	40, 80
HES1000-4	0.700	17.78	0.175	4.45	0.095	2.41	0.041	1.04	0.054	1.37	20, 40
HES2000-1	0.225	5.72	0.050	1.27	0.047	1.19	0.025	0.64	0.022	0.56	100, 200
HES2000-2	0.293	7.44	0.065	1.65	0.060	1.52	0.030	0.76	0.030	0.76	100, 200
HES2000-3	0.427	10.85	0.095	2.41	0.075	1.91	0.035	0.89	0.040	1.02	40, 80
HES2000-4	0.700	17.78	0.175	4.45	0.095	2.41	0.041	1.04	0.054	1.37	20, 40