

技術資料書



熱縮套管 (無鹵素) 產品編號: 2S1

P. LEO & CO LTD

P.O. Box 175 Fo Tan, Shatin, Hong Kong.
Telephone : (852) 2604-8222 * Facsimile : (852) 2693-2093
E-mail : sales@pleo.com * Web Site : http://www.pleo.com



UL FILE #E176865

安規標準： UL224 VW-1, C-UL CSA C 22.2 OFT

產品編號： 2S1@@-xx.x (@@ - 說明套管顏色 例如 BK=黑色 WH=白色 YE=黃色 RD=紅色 GR=綠色 BL=藍色; xx.x - 說明擴大內徑由 1mm x 50mm)

說明：**BC Tube** 2S1 系列 無鹵環保阻燃熱縮套管採用優質高聚物，經科學配方、機械共混成高聚物合金我，產品成型後經電子加速器輻照交聯、連續擴張而成，產品具有環保、柔軟、阻燃、收縮快、性能穩定等優點，廣泛應用於電線連接、焊點保護、電線端部、線束及電子元器件的防護和絕緣處理；健身器材零部件和鋼結構表面防護；相關產品的防銹、防腐處理；電線和其他產品的標識等。

特點：

- 1、 八大有害元素、鹵素元素通過 SGS 檢測；
- 2、 不含有機錫化物（三丁基錫類/三苯基錫類），石棉（asbestos）、煙霧劑（Azo compounds）及限制其釋放的物質-甲醛；
- 3、 適用範圍：-55℃-125℃；
- 4、 起始收縮溫度 70℃，超薄型完全收縮溫度 110℃，普通型完全收縮溫度 120℃，收縮率±5%；
- 5、 柔軟、阻燃；
- 6、 規格齊全，φ 0.8~φ 18.0，並可訂制特殊規格；
- 7、 使用方便，用烘箱和熱風槍即可收縮；
- 8、 環保性能符合 Sony 與歐盟 RoHs 等環保標準；
- 9、 標準顏色 黑、白、紅、黃、綠、藍為基本顏色，常備庫存，其他顏色不備庫存，需定做。

性能特性

性能		測試方法	性能	
物理特性	拉伸強度 (MPa)	ASTM D2671	≥10.4	
	斷裂伸長率 (%)	ASTM D2671	≥200	
	熱老化後拉伸強度 (MPa)	UL224 158℃ x 168hr	≥7.3	
	熱老化後斷裂伸長率 (%)	UL224 158℃ x 168hr	≥100	
	耐熱衝擊	UL224 250℃ x 4hr	不發粘 不龜裂	
電氣特性	擊穿強度	IEC243	≥15 KV/mm	
	耐壓	300V	UL224	1500V 不擊穿
		600V	UL224	2500V 不擊穿
體積電阻率(Ω.cm)		IEC93	> 1 x 10 ¹⁴ Ω*cm	
化學特性	抗腐蝕性	UL224 158℃ x 168hr	合格	
	銅兼容性	UL224 158℃ x 168hr	合格	
	阻燃性	UL224	VW-1	

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產品規格

尺寸		收縮前	收縮後		標準包裝
Inch	mm	內徑 mm	內徑 最大 mm	壁厚 標清 mm	每盤長度 米/盤
3/64	0.8	1.1±0.2	0.50	0.22	200
1/16	1.0	1.5±0.2	0.65	0.28	200
	1.5	2.0±0.2	0.85	0.32	200
3/32	2.0	2.5±0.2	1.00	0.35	200
	2.5	3.0±0.2	1.30	0.38	200
1/8	3.0	3.5±0.2	1.50	0.40	200
	3.5	4.0±0.2	1.80	0.42	200
	4.0	4.5±0.2	2.00	0.45	200
3/16	4.5	5.0±0.2	2.30	0.50	200
	5.0	5.5±0.2	2.5	0.55	100
1/4	6.0	6.5±0.2	3.0	0.55	100
5/16	7.0	7.5±0.3	3.5	0.55	100
	8.0	8.5±0.3	4.0	0.60	100
3/8	9.0	9.5±0.3	4.5	0.60	100
	10.0	10.5±0.3	5.0	0.60	100
	11.0	11.5±0.3	5.5	0.60	100
1/2	12.0	12.5±0.3	6.0	0.60	100
	13.0	13.5±0.3	6.5	0.65	100
	14.0	14.5±0.3	7.0	0.65	100
5/8	15.0	15.5±0.4	7.5	0.70	100
	16.0	16.5±0.4	8.0	0.70	100
	17.0	17.5±0.4	8.5	0.70	100
3/4	18.0	19.0±0.5	9.0	0.80	100
	20.0	21.0±0.5	10.0	0.80	100
	22.0	23.0±0.5	11.0	0.80	100
1	25.0	26.0±0.5	12.5	0.90	50
	28.0	29.0±0.5	14.0	0.90	50
1-1/4	30.0	31.5±1.0	15.0	0.95	50
	35.0	36.5±1.0	17.5	1.00	50
1-1/2	40.0	41.5±1.0	20.0	1.00	50
	45.0	46.5±1.0	22.5	1.00	25
2	50.0	≥ 50	25.0	1.00	25
	60.0	≥ 60	31.0	1.30	25
	70.0	≥ 70	36.0	1.30	25
3	80.0	≥ 80	41.0	1.46	25
	90.0	≥ 90	46.0	1.46	25
4	100.0	≥ 100	51.0	1.46	25
5	120.0	≥ 120	61.0	1.56	25
6	150.0	≥ 150	76.0	1.56	25
7	180.0	≥ 180	91.0	1.56	25

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