

## G5(F) 環保一般型阻燃熱收縮管

### 技術性能

	特性	標準	測試方法	結果	
物理	縱向伸長率	5% max.	ASTM D 2671	$\leq 5\%$	
	集中性	70%min.	ASTM D 2671	$\geq 70\%$	
	擴張強度	10.4MPa min.	ASTM D 638	$\geq 14.0\text{MPa}$	
	斷裂伸長率	200% min.	ASTM D 638	$\geq 400\%$	
	熱衝擊	No cracking	ASTM D 2671	Pass	
	冷彎曲 (-55°C, 4 hrs.)	No cracking	ASTM D 2671	Pass	
	Heat aging 158°C, 168 hrs.				
	老化擴張強度	70% of original (MIN.)	ASTM D 638	$\geq 90\%$	
老化延伸度	Elongation 100% min.	ASTM D 638	$\geq 300\%$		
電子	耐壓	2500V,60sec, No breakdown	UL224	Pass	
	擊穿強度	19.7KV/mm min.	ASTM D 2671	25KV/mm	
	體積電阻率	1014Ω · cm min.	ASTM D 876	$\geq 1014\Omega \cdot \text{cm}$	
化學	銅腐蝕性	No corrosion	ASTM D 2671	Pass	
	銅穩定性	Elongation $\geq 100\%$	ASTM D 2671	Pass	
	阻燃性	VW-1	UL224	Pass	

## G5(F)

### Environmentally friendly polyolefin tubing

環保一般型阻燃熱收縮套管



#### G5(F)

#### Environmentally friendly polyolefin tubing

##### Applications

General purpose tubing for military and commercial applications such as electrical insulation and protecting in-line components, disconnect terminals, and splices. Used for jacketing wire bundles and light-duty harness and identifying or color-codes wires, cables, terminals, and components.

##### Characteristics

Very flexible, highly flame-retardant (colors only)  
Resistant to common fluids and solvents  
Excellent physical, chemical, and electrical properties  
The material meets standard Sony-SS-00259, RoHS

##### Operating temperature range

Operating temperature: -55°C ~ 125°C  
Minimum shrink temperature: 70°C  
Minimum full recovery temperature: 110°C

##### Approvals / Specifications

AMS-DTL-23053/5 class 1 and class 3  
UL224 File no. E255532, 125°C VW-1 600V

size (mm)	as supplied (mm)		as recovery (mm)		package (m/spool)	application range (mm)
	I.D.	W.T.	I.D. (max)	W.D. (min)		
ø0.8	1.0±0.2	0.15±0.05	0.5	0.25±0.05	200	0.4~0.80
ø1.0	1.5±0.3	0.20±0.05	0.6	0.33±0.05	200	0.5~0.90
ø1.5	2.0±0.3	0.20±0.05	0.75	0.36±0.05	200	0.7~1.40
ø2.0	2.5±0.3	0.20±0.05	1.0	0.44±0.05	200	1.0~1.80
ø2.5	3.0±0.3	0.25±0.05	1.25	0.44±0.05	200	1.2~2.30
ø3.0	3.5±0.3	0.25±0.05	1.5	0.44±0.05	200	1.5~2.70
ø3.5	4.0±0.3	0.25±0.05	1.75	0.44±0.05	200	1.7~3.20
ø4.0	4.5±0.3	0.25±0.05	2.0	0.44±0.05	200	2.0~3.60
ø4.5	5.0±0.3	0.25±0.05	2.25	0.44±0.08	200	2.3~4.00
ø5.0	5.5±0.3	0.25±0.05	2.5	0.56±0.08	100	2.5~4.50
ø6.0	6.5±0.3	0.28±0.05	3.0	0.56±0.08	100	3.0~5.40
ø7.0	7.6±0.3	0.30±0.06	3.5	0.56±0.08	100	3.5~6.30
ø8.0	8.6±0.3	0.30±0.06	4.0	0.56±0.08	100	4.0~7.20
ø9.0	9.6±0.3	0.30±0.06	4.5	0.56±0.08	100	4.5~8.00
ø10.0	10.7±0.4	0.30±0.06	5.0	0.56±0.08	100	5.0~9.00
ø11.0	11.7±0.4	0.30±0.06	5.5	0.56±0.08	100	5.0~10.0
ø12.0	12.7±0.4	0.30±0.06	6.0	0.56±0.08	100	6.0~11.0
ø13.0	13.7±0.4	0.35±0.07	6.5	0.69±0.08	100	6.5~12.0
ø14.0	14.7±0.4	0.35±0.07	7.0	0.69±0.08	100	7.0~13.0
ø15.0	15.7±0.5	0.35±0.07	7.5	0.69±0.08	100	7.5~14.0
ø16.0	16.7±0.5	0.35±0.07	8.0	0.69±0.08	100	8.0~15.0
ø17.0	17.5±0.6	0.35±0.07	8.5	0.70±0.08	100	8.8~16.0
ø18.0	19.0±0.5	0.40±0.10	9.0	0.77±0.15	100	9.0~17.0
ø20.0	21.0±0.5	0.40±0.10	10.0	0.77±0.15	50	10~19.0
ø22.0	23.0±0.5	0.40±0.10	11.0	0.77±0.15	50	11~21.0
ø25.0	26.0±1.0	0.45±0.10	12.5	0.87±0.15	50	12~24.0
ø28.0	29.0±1.0	0.45±0.10	14.0	0.87±0.15	50	14~29.0
ø30.0	31.5±0.7	0.45±0.10	15.0	0.95±0.15	50	15~29.0
ø35.0	37.0±0.7	0.50±0.15	17.5	1.00±0.15	50	17~34.0
ø40.0	40.5±0.7	0.50±0.15	20.0	1.00±0.15	50	20~39.0
ø45.0	46.0±0.7	0.50±0.15	22.5	1.00±0.15	25	25~45.0
ø50.0	50.5±0.7	0.50±0.15	25.0	1.00±0.15	25	35~70.0
ø60.0	60.0±3.0	0.80±0.20	32.0	1.30±0.20	25	30~60.0
ø70.0	70.0±3.0	0.80±0.20	35.0	1.50±0.20	25	35~70.0
ø80.0	80.0±3.0	0.80±0.30	40.0	1.50±0.30	25	40~80.0
ø90.0	90.0±4.0	0.80±0.30	43.0	1.50±0.30	25	50~100
ø100	100.0±4.0	0.80±0.30	43.0	1.50±0.30	25	50~100
ø120	120.0±4.0	0.80±0.30	56	1.50±0.30	15	60~120

Color: black, white, red, blue, yellow, green, other colors on request.

Special size, cut pieces are available on request.

