

Inkilo

125°C Zero-Halogen Low Smoke Flame-Retardant Printable Tubing
125°C低烟无卤阻燃标识套管

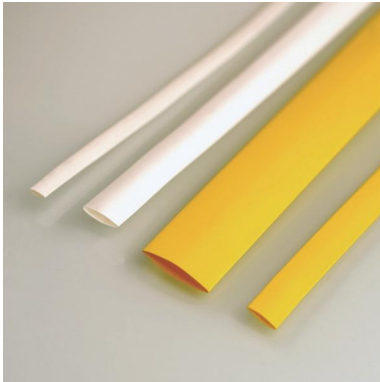
卓越的电气性能、化学性能及印刷持久性
Superior Electrical, Chemical & Print Performance

低烟无卤阻燃热收缩标识管采用聚烯烃制成，环保低烟无卤，具备优异的电气、化学和打印性能。适用于恶劣环境下电线电缆标识，同时提供绝缘和机械保护。

This environmentally friendly, low-smoke, halogen-free flame-retardant printable tubing is made from irradiation cross-linked polyolefin, offering excellent electrical, chemical, and printing properties. This tube is made for wire and cable identification in harsh environments, while also providing insulation and mechanical protection.

产品特性与优势 Features and benefits

性能 Property	指标要求 Requirement	测试方法 Test Method	典型值 Typical Data
操作温度范围 Operating Temperature	/	/	-55°C to +125°C
最低收缩温度 Min. Shrink Temperature	/	/	+70°C
完全收缩温度 Full recovery temperature	/	/	+110 °C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥10.4MPa	ASTM D 638	≥12MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 638	≥300%
老化后断裂伸长率 Elongation at break after aging	≥100%	ASTM D 638	≥200%
热冲击 Heat Shock	无裂痕 No Cracking	ASTM D 2671 (225°C, 4hrs)	无裂痕 No Cracking
低温柔软性 Low-temperature flexibility	无裂痕 No Cracking	ASTM D 2671 (-55°C, 4hrs)	无裂痕 No Cracking
绝缘耐压和击穿 Dielectric voltage withstand	无击穿 No Breakdown	ASTM D 2671 (2500V, 60s)	无击穿 No Breakdown
击穿强度 Dielectric Strength	≥19.7 KV/mm	ASTM D 2671	≥20 KV/mm
体积电阻率 Volume resistivity	≥10 ¹⁴ Ω·cm	ASTM D 876	≥10 ¹⁴ Ω·cm
腐蚀性 Corrosion	无腐蚀 No Corrosion	ASTM D 2671	无腐蚀 No Corrosion
阻燃性 Flammability	1分钟内自熄 Self-extinguishing within 1 min	ASM-DTL-23053	通过 Pass
打印性能 Printing Performance	50次橡皮擦，可辨认 30次来回擦，可辨认 50 rubs, legible 30 strokes, legible	SAE AS 81531 MIL-STD-202	通过 Pass
抗液体 Fluid resistance (23°C, 24hrs)	打印可识别 Printing legible	SAE AS 81531	通过 Pass



- 收缩比2:1, 3:1
 - 柔软、低烟无卤阻燃
 - 易于打印，优异且持久标识
 - 优异的电绝缘、耐磨和化学性能
 - 可定制轨道式或卷式标识套管
- Shrink ratio 2:1, 3:1
 - Flexible, halogen-free flame retardant
 - Easy to print, permanent identification
 - Excellent electrical, abrasion, and chemical properties
 - Customizable rail-type or roll-type are available.

符合标准 Standards

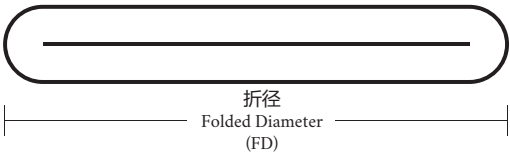
- SAE AS 81531
- MIL-STD-202
- RoHS;
- REACH

颜色 COLOR

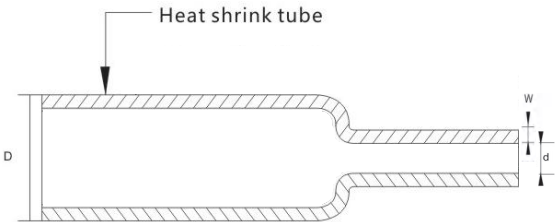


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FD = 直径(diameter) × π ÷ 2



收缩比 Shrink Ratio	编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)			收缩后 After recovered(mm)		标准包装 Standard packing (m/roll)
			内径 I.D (D)	折径 FD	双层壁厚 Dual W.T (W)	最大内径 I.D.max (d)	单层壁厚 Single W.T (w)	
2:1	Inkilo125-2x24	2.4(3/32")	2.79±0.20	5.0±0.3	0.48±0.10	≤1.18	0.49±0.06	100
	Inkilo125-2x32	3.2(1/8")	3.64±0.23	6.3±0.4	0.48±0.10	≤1.59	0.51±0.06	100
	Inkilo125-2x48	4.8(3/16")	5.26±0.25	8.9±0.4	0.49±0.10	≤2.36	0.54±0.06	100
	Inkilo125-2x64	6.4(1/4")	6.92±0.28	11.5±0.4	0.50±0.10	≤3.18	0.56±0.06	100
	Inkilo125-2x95	9.5(3/8")	10.2±0.32	16.7±0.5	0.51±0.11	≤4.75	0.59±0.06	100
	Inkilo125-2x127	12.7(1/2")	13.5±0.36	21.8±0.6	0.52±0.11	≤6.35	0.60±0.07	100
	Inkilo125-2x191	19.1(3/4")	20.1±0.40	32.2±0.6	0.53±0.11	≤9.53	0.62±0.07	100
	Inkilo125-2x254	25.4(1")	26.7±0.45	42.5±0.7	0.55±0.12	≤12.7	0.63±0.07	100
	Inkilo125-2x381	38.1(3/2")	39.8±0.51	63.2±0.8	0.57±0.12	≤19.1	0.64±0.07	100

收缩比 Shrink Ratio	编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)			收缩后 After recovered(mm)		标准包装 Standard packing (m/roll)
			内径 I.D (D)	折径 FD	双层壁厚 Dual W.T (W)	最大内径 I.D.max (d)	单层壁厚 Single W.T (w)	
3:1	Inkilo125-3x24	2.4(3/32")	2.79±0.20	5.0±0.3	0.47±0.10	≤0.79	0.57±0.06	100
	Inkilo125-3x32	3.2(1/8")	3.64±0.23	6.3±0.4	0.48±0.10	≤1.06	0.61±0.06	100
	Inkilo125-3x48	4.8(3/16")	5.26±0.25	8.9±0.4	0.49±0.10	≤1.59	0.67±0.06	100
	Inkilo125-3x64	6.4(1/4")	6.92±0.28	11.5±0.4	0.50±0.10	≤2.13	0.71±0.06	100
	Inkilo125-3x95	9.5(3/8")	10.2±0.32	16.7±0.5	0.52±0.11	≤3.18	0.77±0.06	100
	Inkilo125-3x127	12.7(1/2")	13.5±0.36	21.8±0.6	0.53±0.11	≤4.23	0.80±0.07	100
	Inkilo125-3x191	19.1(3/4")	20.1±0.40	32.2±0.6	0.55±0.11	≤6.35	0.84±0.07	100
	Inkilo125-3x254	25.4(1")	26.7±0.45	42.5±0.7	0.56±0.12	≤8.47	0.86±0.07	100
	Inkilo125-3x381	38.1(3/2")	39.8±0.51	63.2±0.8	0.57±0.12	≤12.9	0.89±0.07	100

可选择卷式或轨道式, 接受特殊尺寸及颜色定制需求, 技术参数如有变更, 恕不另行通知。最低订购量(MOQ) 可能与包装数量有所不同。
Available in both roll-type and rail-type options, with special sizes and color customization upon request. Technical specifications are subject to change without prior notice.
The minimum order quantity (MOQ) may differ from the standard packaging quantity.

https://www.hzdingyuan.cn/