

Inkilo

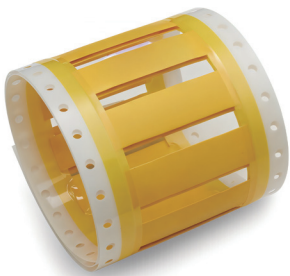
135°C Fluid Resistant Flame-Retardant Printable Tubing
135°C耐油阻燃标识套管

耐用结构, 军标级, 严苛环境防护

Durable Construction, Military grade, Harsh Environment Protection

这个产品具有出色的耐油耐液性能,是适用于润滑油和燃油喷溅环境的薄壁热缩管。其结构设计便于使用,收缩后牢固贴合线缆,适用于严苛环境并满足军级性能要求。

This product is an e-beam processed, thin-wall heat shrink tube with excellent resistance to fluids, ideal for lubricant and fuel exposure. Its open profile allows easy use and ensures a secure, durable print in rugged, military-grade environments.



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 +135°C
最低收缩温度 Min. Shrink Temperature	/	/	+80°C
完全收缩温度 Full recovery temperature	/	/	+120 °C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥10.4MPa	ASTM D 638	≥13MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 638	≥400%
老化后断裂伸长率 Elongation at break after aging	≥100%	ASTM D 638	≥300%
热冲击 Heat Shock	无裂痕 No Cracking	ASTM D 2671	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	≥25 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	15秒内自熄 Self-extinguishing within 15 sec	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 AS81531 MIL-STD-202	通过 Pass
抗液体 Fluid resistance (23°C, 24hrs)	打印可识别 Printing legible	SAE AS81531	通过 Pass

- 收缩比2:1, 3:1
 - 耐液耐油, 满足航空和铁路要求
 - 军标级设计, 适用于严苛环境
 - 优异的电气、物理和化学性能
 - 可定制轨道式或卷式标识套管
- Shrink ratio of 2:1, 3:1
 - Excellent fluid and oil resistance, meets aerospace and railway standards
 - Military grade, designed for rugged environments
 - Excellent electrical, physical, and chemical properties
 - Customizable rail-type or roll-type are available.

符合标准 Standards

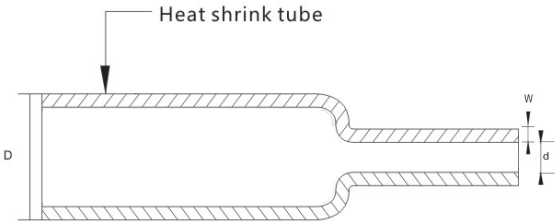
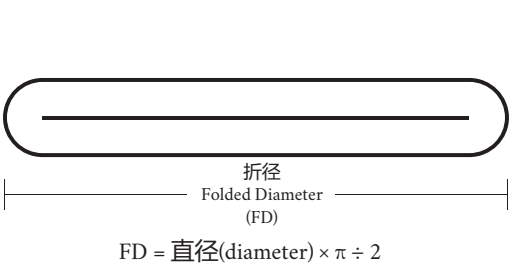
- SAE AS 81531
- MIL-STD-202
- RoHS;
- REACH

颜色 COLOR



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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)	内径 I.D (d)	单层壁厚 Single W.T (w)	
2:1	Inkilo-135O-2x24	2.4(3/32")	2.79±0.20	5.0±0.3	0.48±0.10	≤1.18	0.49±0.06	100
	Inkilo-135O-2x32	3.2(1/8")	3.64±0.23	6.3±0.4	0.48±0.10	≤1.59	0.51±0.06	100
	Inkilo-135O-2x48	4.8(3/16")	5.26±0.25	8.9±0.4	0.49±0.10	≤2.36	0.54±0.06	100
	Inkilo-135O-2x64	6.4(1/4")	6.92±0.28	11.5±0.4	0.50±0.10	≤3.18	0.56±0.06	100
	Inkilo-135O-2x95	9.5(3/8")	10.2±0.32	16.7±0.5	0.51±0.11	≤4.75	0.59±0.06	100
	Inkilo-135O-2x127	12.7(1/2")	13.5±0.36	21.8±0.6	0.52±0.11	≤6.35	0.60±0.07	100
	Inkilo-135O-2x191	19.1(3/4")	20.1±0.40	32.2±0.6	0.53±0.11	≤9.53	0.62±0.07	100
	Inkilo-135O-2x254	25.4(1")	26.7±0.45	42.5±0.7	0.55±0.12	≤12.7	0.63±0.07	100
	Inkilo-135O-2x381	38.1(1.5")	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)	内径 I.D (d)	单层壁厚 Single W.T (w)	
3:1	Inkilo-135O-3x24	2.4(3/32")	2.79±0.20	5.0±0.3	0.47±0.10	≤0.79	0.57±0.06	100
	Inkilo-135O-3x32	3.2(1/8")	3.64±0.23	6.3±0.4	0.48±0.10	≤1.06	0.61±0.06	100
	Inkilo-135O-3x48	4.8(3/16")	5.26±0.25	8.9±0.4	0.49±0.10	≤1.59	0.67±0.06	100
	Inkilo-135O-3x64	6.4(1/4")	6.92±0.28	11.5±0.4	0.50±0.10	≤2.13	0.71±0.06	100
	Inkilo-135O-3x95	9.5(3/8")	10.2±0.32	16.7±0.5	0.52±0.11	≤3.18	0.77±0.06	100
	Inkilo-135O-3x127	12.7(1/2")	13.5±0.36	21.8±0.6	0.53±0.11	≤4.23	0.80±0.07	100
	Inkilo-135O-3x191	19.1(3/4")	20.1±0.40	32.2±0.6	0.55±0.11	≤6.35	0.84±0.07	100
	Inkilo-135O-3x254	25.4(1")	26.7±0.45	42.5±0.7	0.56±0.12	≤8.47	0.86±0.07	100
	Inkilo-135O-3x381	38.1(1.5")	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.

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