

Inkilo

225°C Military Grade Flame-Retardant Printable Tubing
225°C军标级阻燃标识套管

优异化学耐受, 严苛环境适用
Excellent Chemical Resistance, Harsh Environment Ready

这个产品采用专用含氟材料制成, 具有优异的耐高温(最高225°C)、耐化学和阻燃性能, 适用于军用和航空等苛刻环境。薄壁结构和2:1收缩比设计, 操作便捷, 收缩后牢固贴合线缆且标识清晰。

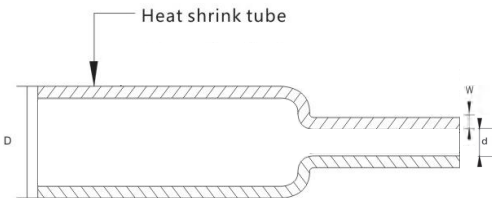
This product features a high-temperature, radiation cross-linked material with e-beam processing, offering excellent heat resistance up to 225°C, superior chemical resistance, and flame retardancy. Its thin-wall, open-profile tubing ensures secure, durable identification in demanding military and aerospace 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 +225°C
最低收缩温度 Min. Shrink Temperature	/	/	+135°C
完全收缩温度 Full recovery temperature	/	/	+200 °C
纵向收缩率 Longitudinal shrinkage	≤10%	ASTM D 2671	≤5%
抗张强度 Tensile strength	≥17.3MPa	ASTM D 638	≥24MPa
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 (275°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	≥15.7kV/mm	ASTM D 2671	≥15.7kV/mm
体积电阻率 Volume resistivity	≥10 ¹¹ Ω·cm	ASTM D 876	≥10 ¹² 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	100次橡皮擦, 可辨认 100次来回擦, 可辨认 100 rubs, legible 100 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
- 军标级, 耐高温至225°C, 阻燃自熄
- 优异的耐化学和抗液体性能
- 薄壁结构, 收缩后标识清晰牢固
- 适用于军用、航空等苛刻环境
- 可定制轨道式或卷式标识套管
- Shrink ratio 2:1
- Military grade, up to 225°C, flame-retardant
- Excellent chemical and fluid resistance
- Thin-wall design, secure and clear identification
- Suitable for military and aerospace applications
- Customizable rail-type or roll-type are available.



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)
			最小内径 I.D.min(D)	最大内径 I.D.max (d)	最小壁厚 W.T min (w)	
2:1	Inkilo225-2x12	1.2(3/64")	> 1.2	≤0.6	0.25±0.05	100
	Inkilo225-2x16	1.6(1/16")	> 1.6	≤0.8	0.25±0.05	100
	Inkilo225-2x24	2.4(3/32")	> 2.4	≤1.2	0.25±0.05	100
	Inkilo225-2x32	3.2(1/8")	> 3.2	≤1.6	0.25±0.05	100
	Inkilo225-2x48	4.8(3/16")	> 4.8	≤2.4	0.25±0.05	100
	Inkilo225-2x64	6.4(1/4")	> 6.4	≤3.2	0.30±0.08	100
	Inkilo225-2x95	9.5(3/8")	> 9.5	≤4.8	0.30±0.08	100
	Inkilo225-2x127	12.7(1/2")	> 12.7	≤6.4	0.30±0.08	100
	Inkilo225-2x191	19.1(3/4")	> 19.1	≤9.5	0.43±0.08	100
	Inkilo225-2x254	25.4(1")	> 25.4	≤12.7	0.48±0.08	100
	Inkilo225-2x381	38.1(3/2")	> 38.1	≤19.1	0.60±0.10	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.

符合标准 Standards

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

CN Inkilo-225

Website: <https://www.hzdingyuan.cn/>
E-mail: ace-tube@ace-tube.com

