

Stura

General-purpose Flame Retardant Single-wall Heat Shrink Tubing
通用型阻燃单壁热缩管

柔软阻燃, 环保兼容, 优异绝缘保护

Flexible & Flame-Retardant, Eco-Compliant, Superior Insulation Protection

通用型阻燃单壁热缩管 (Stura-GV) 采用高性能交联聚烯烃材料制成, 具备极佳的柔韧性和高阻燃性, 能够在低温下迅速收缩, 有效保护温度敏感元件。适用于线束整理、电子元件包覆、端子和接头的绝缘防护, 以及电线连接处的应力缓解。Stura-GV 不仅符合 RoHS 标准且不含有害溴化物, 广泛应用于各类商业和工业领域, 是替代传统包覆和绝缘方式的高效、环保解决方案。

Stura-GV general-purpose flame-retardant single wall heat shrink tubing is made from advanced crosslinked polyolefin, featuring outstanding flexibility and superior flame resistance. Its low shrink temperature ensures quick installation and safe protection for temperature-sensitive components. Ideal for wire bundling, insulation of electronic parts, protection of terminals and connectors, and strain relief for wire joints, Stura-GV offers a reliable and eco-friendly alternative to traditional molding, dip coating, or tape wrapping. Free of hazardous brominated compounds and fully RoHS compliant, Stura-GV serves a wide range of commercial and industrial applications, delivering robust and dependable insulation and 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
长度变化率 Longitudinal change	-10%~10%	ASTM D 2671	通过 Pass
抗张强度 Tensile strength	≥10.3MPa	ASTM D 2671	≥11.3MPa
断裂伸长率 Elongation at break	≥200%	ASTM D 2671	≥400%
老化后的抗张强度 Tensile strength after aging	初始值的70% 70% of initial value	ASTM D 2671 (158°C/168 hrs)	≥80%
老化后断裂伸长率 Elongation at break after aging	≥100%	ASTM D 2671 (158°C/168 hrs)	≥200%
热冲击 Heat shock	无裂痕 No Cracking	ASTM D2671 (200°C/4 hrs)	无裂痕 No Cracking
低温柔软性 Low temperature flexibility	无裂痕 No Cracking	ASTM D2671 (-30°C/1 hr)	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
体积电阻率 Volume resistivity	≥10 ¹⁴ Ω·cm	ASTM D 2671	≥10 ¹⁴ Ω·cm
绝缘强度 Dielectric strength	≥19.7kV/mm	ASTM D 2671	22kV/mm
阻燃性能 Flammability	VW-1	UL224	VW-1

- 收缩比 2:1
 - 柔软性极佳, 阻燃性能优异
 - 耐受常见溶剂
 - 具备卓越的物理、化学及电气性能
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- Shrink ratio: 2:1
 - Very flexible, high flame retardant
 - Resistant to common solvent liquid
 - Excellent physical, chemical and electrical performance

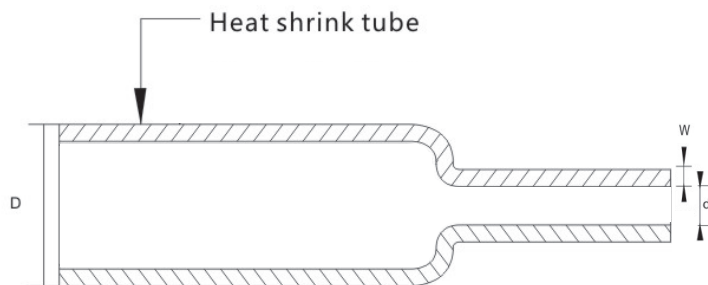
颜色 COLOR



符合标准 Standards

- UL224 (600 V, 125°C, VW-1);
- RoHS;
- REACH;

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标准壁厚 Standard wall thickness							
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)		标准长度 Standard length (m/roll)
			内径 I.D (D)	壁厚 W.T (w)	最大内径 I.D.max (d)	最小壁厚 W.T min (w)	
2:1	Stura-GV-0.8	0.8	1.0±0.2	0.15±0.05	0.60	0.25	200
	Stura-GV-1.0	1.0	1.5±0.3	0.20±0.05	0.70	0.33	200
	Stura-GV-1.5	1.5	2.0±0.3	0.20±0.05	0.80	0.34	200
	Stura-GV-2.0	2.0	2.5±0.3	0.20±0.05	1.00	0.34	200
	Stura-GV-2.5	2.5	3.0±0.3	0.25±0.05	1.25	0.42	200
	Stura-GV-3.0	3.0	3.5±0.3	0.25±0.05	1.50	0.42	200
	Stura-GV-3.5	3.5	4.0±0.3	0.25±0.05	1.75	0.42	200
	Stura-GV-4.0	4.0	4.5±0.3	0.25±0.05	2.00	0.42	200
	Stura-GV-4.5	4.5	5.0±0.3	0.25±0.05	2.25	0.42	100
	...	...	...	...	...	...	...
	Stura-GV-180	180	181.0±4.0	0.80±0.20	90.0	1.60	15

超薄壁厚 Ultra-thin wall thickness							
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)		标准长度 Standard length (m/roll)
			内径 I.D (D)	壁厚 W.T (w)	最大内径 I.D.max (d)	最小壁厚 W.T min (w)	
2:1	Stura-GV-t1.0	1.0	1.4±0.2	0.13±0.05	0.7	0.20±0.1	200
	Stura-GV-t1.5	1.5	1.9±0.2	0.13±0.05	0.85	0.20±0.1	200
	Stura-GV-t2.0	2.0	2.4±0.2	0.13±0.05	1.0	0.22±0.1	200
	Stura-GV-t2.5	2.5	2.8±0.3	0.13±0.05	1.3	0.25±0.1	200
	Stura-GV-t3.0	3.0	3.4±0.3	0.13±0.05	1.5	0.28±0.1	200
	Stura-GV-t3.5	3.5	3.9±0.3	0.13±0.05	1.75	0.25	200
	Stura-GV-t4.0	4.0	4.4±0.3	0.15±0.05	2.0	0.25	200
	Stura-GV-t4.5	4.5	5.0±0.3	0.15±0.05	2.25	0.25	100
	Stura-GV-t5.0	5.0	5.5±0.3	0.15±0.05	2.5	0.25	100
	...	...	...	...	...	...	...
	Stura-GV-t16	16.0	16.6±0.5	0.20±0.05	8.0	0.32	100

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。
Custom sizes and colors are available upon request. Technical specifications are subject to change without prior notice. Minimum order quantities (MOQ) may differ from standard packaging quantities.