Petira

Eco-friendly PET Heat Shrink Tubing
PET环保热缩管

环保阻燃，耐腐蚀保护
Eco-Friendly & Flame Retardant, Corrosion Resistant

PET环保热缩管（Petira-EP）采用高性能聚对苯二甲酸乙二酯（PET）材料制成，专为严苛环境下的电子元件、锂电池及消费类产品的包覆保护而设计。在-40℃至125℃温度范围内，能够有效防止老化、破裂与腐蚀，确保被包覆部件的长期稳定与安全。该产品符合环保和RoHS标准，适用于需要高可靠性和环境友好型保护的多种应用场景，是电子与新能源领域理想的防护选择。

Petira-EP PET eco-friendly heat shrink tubing is made from high-performance polyethylene terephthalate, specifically designed to provide reliable protection for electronic components, batteries, and consumer goods under harsh conditions. Operating effectively from -40°C to 125°C, it guards against aging, cracking, and corrosion, ensuring long-term stability and safety for wrapped items. Fully compliant with environmental and RoHS standards, Petira-EP is the ideal solution for applications requiring robust and eco-conscious insulation and protection in the electronics and new energy sectors.

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	/	/	-40°C to +125°C
最低收缩温度 Min. Shrink Temperature	/	/	+60°C
完全收缩温度 Full recovery temperature	/	/	+125 °C
抗张强度 Tensile strength	≥10^7 N/m²	ASTM D 2671	≥10^7 N/m²
断裂伸长率 Elongation at break	≥62.0%	ASTM D 2671	≥62.0%
吸水率 Water absorption	≤2.0%	ASTM D 570	≤2.0%
介电强度 Dielectric strength	≥15kV/mm	ASTM D 2671	≥15kV/mm
体积电阻率 Volume resistivity	≥10^{14}Ω·cm	ASTM D 2671	≥10^{14}Ω·cm

- 收缩比为2:1
- 高性能PET材质，耐温范围-40℃~125℃
- 对多数酸、油具抗腐蚀性，防老化、耐破裂
- 无卤环保，阻燃，符合RoHS标准
- 适用于电子元件、锂电池及新能源等高可靠性保护

- Shrink ratio: 2:1
- High-performance PET material, operating temperature -40 ℃ to 125℃
- Resistant to most acids and oils, prevents aging and cracking
- Halogen-free, eco-friendly, flame-retardant, RoHS compliant
- Ideal for reliable protection of electronics, batteries, and new energy applications

颜色 COLOR

C

符合标准 Standards

◦ RoHS;

https://www.hzdingyuan.cn/

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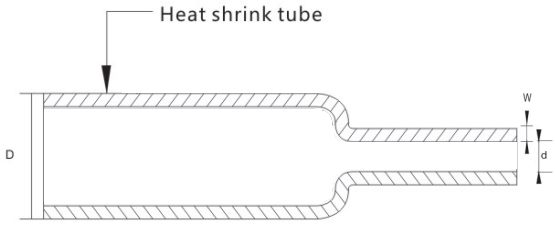

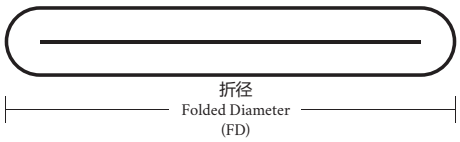

FD = 直径(diameter) × π ÷ 2

产品规格 Product Dimensions					
编号 Part No.	规格 Size (Φ mm)	收缩前 As supplied (mm)		横向收缩率 Horizontal shrink ratio (%)	纵向收缩率 Vertical shrink ratio (%)
		折径 FD	壁厚 W.T (w)		
Petira-EP-3	3	5.6±0.2	0.08±0.015	48±4	8±3
Petira-EP-4	4	7.1±0.2	0.08±0.015	48±4	8±3
Petira-EP-5	5	9.0±0.2	0.08±0.015	48±4	8±3
Petira-EP-6	6	10.6±0.2	0.08±0.015	48±4	8±3
Petira-EP-6.3	6.3	11.0±0.2	0.08±0.015	48±4	8±3
Petira-EP-8	8	13.9±0.2	0.10±0.02	48±4	8±3
Petira-EP-10	10	16.9±0.3	0.10±0.02	48±4	8±3
Petira-EP-12	12	20.4±0.3	0.10±0.02	48±4	8±3
Petira-EP-12.5	12.5	21.2±0.3	0.10±0.02	48±4	8±3
Petira-EP-13	13	21.8±0.3	0.10±0.02	45±4	8±3
Petira-EP-14.5	14.5	24.1±0.3	0.10±0.02	45±4	8±3
Petira-EP-16	16	26.7±0.3	0.11±0.02	45±4	8±3
Petira-EP-18	18	29.8±0.3	0.11±0.02	45±4	8±3
Petira-EP-20	20	32.9±0.3	0.11±0.02	45±4	8±3
Petira-EP-22	22	36.2±0.3	0.11±0.02	45±4	8±3
Petira-EP-25	25	41.1±0.5	0.11±0.02	45±4	8±3
Petira-EP-30	30	49.1±0.5	0.11±0.02	45±4	8±3
Petira-EP-35	35	56.9±0.5	0.11±0.02	45±4	8±3
Petira-EP-40	40	64.0±1.5	0.13±0.03	45±4	8±3
Petira-EP-45	45	74.0±1.5	0.15±0.03	40±5	15±5
Petira-EP-50	50	84.5±1.5	0.20±0.03	40±5	15±5
Petira-EP-63.5	63.5	106.5±1.5	0.20±0.03	40±5	15±5
Petira-EP-76	76	125.5±1.5	0.20±0.03	40±5	15±5
Petira-EP-89	89	145.5±1.5	0.20±0.03	40±5	15±5

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.

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