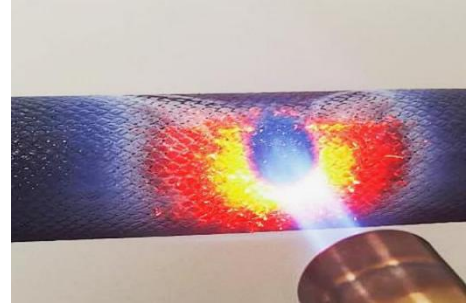


FUTUREWAY® TIX-10C

Fireproof Silicone Coated Sleeve

FUTUREWAY® TIX-10C is an ultra-high-strength fire-resistant sleeving composed of special fire-resistant silicone rubber and fire-resistant fabric, designed to protect high-temperature-sensitive tubular structures in fires. TIX-10C has a unique fire resistance that can resist flame ablation up to 1300°C, and has excellent thermal insulation, so that the internal structural parts of the sleeving are not damaged. These unique features enable the material to solve safety and design issues in electric vehicles, rail trains, and industrial manufacturing.



Features & Benefits

- High temperature electrical insulation class and voltage resistance
- Excellent flame retardant performance
- Ultra-wide temperature range with high elasticity and compression stress stability
- Excellent resistance to environmental aging
- Good thermal protection effect for liquid-cooled tubes when the battery pack is thermal runaway
- With long-term fire resistance and thermal insulation ability

Typical Applications

- Thermal protection sleeve for the tube of the battery pack liquid cooling system which can make it continue to work normally when the battery pack is thermal runaway

Services

- Available with a pressure sensitive-adhesive on one or two sides
- Provide cutting, splicing and other processing services

Use

For PSA options, surfaces must be clean and free of oil, grease, moisture, dust and dirt. Isopropyl alcohol is good for cleaning the surface.

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Typical Properties

Property	Unit	Test Method	Typical Value
Physical			
Color	-	Visual	Black
Standard Wall Thickness	mm	ASTM D350	0.8
Internal Diameter	mm	ASTM D350	14/16/18/20/22/24/26/28/30/32/34/36
Tensile Strength	MPa	ASTM D412	5.0
Flammability			
Flame Resistance	-	UL 94	V-0
Electrical & Thermal			
Dielectric Strength	kV/mm	IEC 60243-1	>3.5
Volume Resistivity	Ohm·cm	IEC 60243-1	>9×10 ¹²
Fire Resistance (>1300°C)	/	Internal	Pass
Thermal Conductivity	W/(m·K)	ASTM D5470	0.38
Temperature Range	°C	SAE J2236	-55~+200

Notes:

*Typical value is based on historical data. Please note the frequency of testing varies.

**Additional industry specifications are also available. All other properties are based on industry standard guidelines.

Usable Life & Storage 10 years after the date of manufacture when stored in original packaging at temperatures up to 35°C and 70% relative humidity(see applicable data sheets for pressure-sensitive adhesive option).

Packaging Information Different inner diameter sizes have different continuous lengths. For details, please contact Futureway sales.

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