

Heatproof Tape

◆ Product Description

Resistant Tape is a category of specialty adhesive materials designed specifically for high-temperature environments. Its core advantage lies in maintaining stable adhesion strength, physical properties, and chemical stability even under extreme temperatures. Widely used in scenarios with strict temperature requirements such as electronic manufacturing, industrial production, new energy, and aerospace, it serves as a key material for achieving fixation, masking, and protection in high-temperature processes.



- Wide-Range Temperature Resistance & Adaptability to Extreme Environments
- High-Temperature Adhesion: Stable & Reliable
- Physical Weather Resistance: Tough & Durable
- Integrated Functions & Versatile Adaptability
- Safe & Residue-Free: Environmentally Friendly & Compliant

◆ Product Structure

- High-Temperature Resistant Tape adopts a multi-layer composite structure consisting of a base material layer (such as PI, PET, and glass fiber cloth, which lays the foundation for temperature resistance and structural strength), an adhesive layer (high-temperature formula like silicone adhesive, ensuring stable adhesion under high temperatures), a surface treatment layer enhancing interlayer adhesion), and a functional coating (integrating functions such as insulation and flame retardancy as needed). Each layer works synergistically and complementarily, adapting to various high-temperature scenarios and ensuring stable overall performance, reliable adhesion, and versatile functions under extreme temperatures.

◆ Typical Applications

- High-Temperature Resistant Tape is widely used in scenarios including electronic manufacturing (reflow soldering, wave soldering), industrial production (high-temperature pipelines, painting and powder coating), new energy (lithium batteries, aerospace, and daily commercial applications (ovens, outdoor equipment)). In different high-temperature working conditions, it fulfills functions such as masking, fixation, sealing, and heat insulation, with stable adhesion and residue-free removal, fully adapting to various high-temperature requirements.

◆ Typical Product Data and Physical Properties

Temperature Resistance: Short-Term Peak Temperature Resistance 280 (°C/s)

Mechanical Properties:

Tensile Strength (MPa): ≥45

Elongation at Break (%): ≥50

Tear Strength (kN/M): ≥30

Width: 12 MM, 18 MM, 24 MM, 36 MM, 48 MM

Length (per roll): 36 M, 40 M, 100 M

Core Specification: Inner Diameter 76 MM (3 inches), Outer Diameter ≤150 MM

Availability:

Item#	Packing	Weight
1.2.13.04.0029	50 rolls/carton	16kg

◆ Technical and Application Assistance

HORB provides a technical hotline to answer your technical and application related questions.

◆ Note:

This information is believed to be accurate. It is intended for professional end users having the skills to evaluate and use the data properly. HORB data is for reference purposes only.

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