PET Non-woven Tape

R1005 · Adhesive Tape Series



Description

This product uses high-quality PET non-woven fabric as the base material, coated with high-performance synthetic rubber-based hot melt adhesive. It features a soft texture, smooth conformability, and can be easily torn by hand. The adhesive layer adopts high-grade acrylic pressure-sensitive adhesive, providing excellent temperature resistance, oil resistance and aging resistance. The product meets environmental requirements for low odor and low VOC emissions, with strong adhesion and long-term reliability.

Product Features

- Temperature Resistance
- Oil Resistance
- Excellent Aging Resistance

Standard / Certification

ROHS · REACH

Technical Data

Property	Unit	Model
Product Grade		R1005
Color		Black
Substrate		PET Non-woven Fabric
Adhesive		Synthetic Rubber
Total Thickness	mm	0.30
Tensile Strength	N/cm	35
Elongation at Break	%	18
Adhesion to Steel	N/cm	4.5
Temperature Resistance	℃	−40 ~ 105℃
Noise Damping	dB(A)	Class C (5~10)
Abrasion Resistance	cycle	Class A (0~99)
Flame Retardancy		Class B, Self-extinguishing
Tearability		Hand-tearable
Environmental Certification		ROHS2.0 REACH

Notes

• Note: The above parameters are typical values for reference only.

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Product Advantages

- **Soft, Conformable & Hand-tearable**
  - Soft PET non-woven fabric conforms smoothly to surfaces; easily hand-tearable with no tools required.
- **Cockpit Noise Reduction**
  - C-class noise damping (5-10 dB(A)) effectively suppresses friction noise from cockpit wiring.
- **Temperature Resistance**
  - Operating range -40°C to 105°C, suited to vehicle interior temperature conditions.
- **Oil Resistance**
  - The adhesive resists oil well, maintaining stable adhesion and performance in oily environments.
- **Excellent Aging Resistance**
  - Resists aging and embrittlement over long-term use with stable tack and reliable service life.
- **Eco-friendly & Low Odor**
  - Compliant with ROHS2.0 and REACH with low odor and low VOC - ideal for enclosed vehicle interiors.

Application Scenarios

- **Cockpit Wire Harness Bundling**
- Ideal for bundling and wrapping cockpit wire harnesses, using its noise-damping performance to suppress harness noise.
- **Automotive Harness Bundling & Wrapping**
- Widely used for bundling and wrapping automotive wire harnesses with good heat/oil resistance and easy handling.
- **Noise-Sensitive & Hand-Tearable Applications**
- For harness protection where quiet operation, hand-tearability and low-odor eco-friendliness are required.