Flexible Tape

X · Adhesive Tape Series



Description

Sleeve tape uses high-strength, wear-resistant polyester fabric as the base material, coated with a high-performance synthetic rubber adhesive layer, specially designed for harsh environments such as engine compartments. It features good flexibility, high adhesion, exceptional abrasion resistance, chemical resistance, high temperature resistance and flame retardancy.

Product Features

- Strong flexibility
- High adhesion
- Exceptional abrasion resistance
- Chemical and high temperature resistance
- Flame retardancy

Standard / Certification

ROHS · REACH

Technical Data

Property	Unit	Model
Product Grade		X-1300A
Color		Black
Substrate		PET Polyester Fabric
Adhesive		Synthetic Rubber
Total Thickness	mm	0.50 ± 0.06
Tensile Strength	N/cm	⩾160
Elongation at Break	%	⩾10
Adhesion to Steel	N/cm	⩾1.5
Temperature Resistance	℃	-40 ~ 125℃
Noise Damping	dB(A)	Class A (⩽2)
Abrasion Resistance	cycle	Class E (5000~14999)
Flame Retardancy		Class B, Self-extinguishing
Environmental Certification		ROHS2.0 REACH

Notes

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

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Product Advantages

- **Strong Flexibility**
  - The soft polyester fabric base keeps wrapped harnesses flexible and easy to route.
- **High Adhesion**
  - High-performance synthetic rubber adhesive provides reliable, secure bundling without loosening.
- **Exceptional Abrasion Resistance**
  - E-class abrasion resistance (5000–14999 cycles), designed for high-wear protection zones.
- **Chemical & High Temperature Resistance**
  - Resists chemical media with temperature rating 40°C to 125°C for demanding environments such as engine compartments.
- **Flame Retardancy**
  - B-class self-extinguishing flame retardancy improves electrical safety.
- **A-Class Noise Damping**
  - A-class noise damping (≤2 dB(A)) provides abrasion and noise protection while avoiding direct contact with conductors.

Application Scenarios

- **Automotive Electrical Harness Bundling**
- For bundling automotive electrical wire harnesses, especially parts requiring high wear resistance protection.
- **Harness Wear Protection**
- Protects harnesses from abrasion against hard components and avoids direct contact wear with conductors.
- **Noise Damping & Flexible Routing**
- For routing where noise suppression and soft, flexible harness bending are required.