

Product Specification

693B PET Flocked Wire Harness Tape

Product Description:

693B is a high-quality adhesive tape manufactured with polyester non-woven substrate and high-performance rubber pressure-sensitive adhesive, designed for wrapping and protecting automotive wire harnesses. It features excellent compatibility, wide application range, and the following characteristics:

- Excellent noise reduction and damping performance
- Good aging resistance and durability
- Superior abrasion resistance
- Easy hand tear without tools
- Low VOC emission, low odor

Product Performance

| Test Item | Unit | Specification | Test Method |
|-------------------------|--------|---------------------|-------------|
| Substrate | - | Polyester Non-Woven | - |
| Adhesive Type | - | Rubber PSA | - |
| Total Thickness | mm | 0.29 ± 0.05 | EN 1942 |
| Peel Strength (Steel) | N/cm | ≥ 2.0 | ASTM D1000 |
| Peel Strength (Backing) | N/cm | ≥ 2.0 | ASTM D1000 |
| Tensile Strength | N/cm | > 20 | ASTM D1000 |
| Elongation | % | > 10 | ASTM D1000 |
| Unwind Force | N/cm | 1.5 – 6.5 | EN 1944 |
| Abrasion Resistance | Cycles | Grade B: 100–499 | ISO 6722 |
| Noise Reduction | dB(A) | Grade C: 5–10 | GMW 16740 |
| Flame Retardancy | mm/min | Burn Rate ≤ 100 | ISO 3795 |
| Temperature Rating | °C | -40 to +105 | GMW 16740 |

Standard Specifications

- Standard Length: 15 m
- Standard Widths: 19 mm, 25 mm
- Core Inner Diameter: 38 mm

Storage Conditions

Optimal storage condition: 23±2°C and 50%±10% relative humidity. Shelf life: 12 months in original packaging.

Application Scenarios

- Wrapping and bundling wire harnesses in automotive engine compartments and chassis systems
- Protecting cable assemblies against abrasion in high-vibration environments
- Noise dampening for interior wiring harnesses in passenger vehicles and commercial trucks
- Securing foam padding and insulation layers on HVAC system components
- Replacement tape for OEM wire harness manufacturing requiring 105°C thermal rating

Extended Product Description

- Substrate: Polyester non-woven fabric provides consistent tensile strength and conformability to irregular surfaces without tearing.
- Adhesive: Synthetic rubber formulation ensures stable bond strength across temperature fluctuations from -40°C to 105°C.
- Surface Texture: Flocked fiber layer enhances friction grip and noise absorption compared to standard PVC tapes.
- Safety Compliance: Self-extinguishing flame retardant properties meet ISO 3795 standards for automotive applications.
- Processing: Die-cut compatible for automated wrapping equipment; manual application requires no primer or surface treatment.

User Notice

The above data and information are based on our laboratory test results. Users must verify product suitability for intended applications prior to use.