

Just Tape and Converting

Distribution and Converting of Adhesive Tapes



Just Tape - California

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A Quieter Car Ride Thanks to... Just Tape?

Lighter Bodies, Louder Buzzes

Metal fasteners are being replaced by versatile, lightweight automotive adhesives along the full length of bonded areas. The corresponding increase in bond strength allows for lighter, thinner substrates, too.

Unfortunately, thin, lightweight materials also mean less sound insulation and more distracting noise: wind sounds, engine noise, the rumble of tires on pavement, and rattles within the vehicle. This spells doom for Noise, Vibration, and Harshness (NVH) ratings. So why — and how — are cars actually getting *quieter*?

Tape — Yes, Just Tape — to the Rescue!!

- **Deadening pads and acoustic dampeners** concealed within the body to absorb resonant frequencies and passively soundproof the cabin.
- **Mounting tapes** that decouple and isolate cabin and dash components from vibrating surfaces.
- **Double-sided adhesives** that flexibly bond dissimilar materials with inconsistent thermal expansion, bending, or compression properties.
- **Cushioning pads** for small, decorative, or lightweight plastic elements like trim that would rattle if mechanically adhered with rivets or clips.
- **Shock absorbers** for doors, hatches, consoles, or glove compartments; also to prevent bumps in the road from loosening or damaging small plastic components, which would create buzzing.
- **Gap fillers** that conform to and reliably seal contact areas between uneven, rough, or inconsistent surfaces — such as moving windows — and prevent bleeding of sound.

When applied as a structural or mounting adhesive, a foam anti-vibration tape does double duty. First, it creates a consistent, energy-diffusing bond. Second, a full-length adhesive bond outperforms the localized stress points of mechanical fasteners, allowing the use of thinner and lighter components.

Anti-vibration Tapes Slash NVH — and Manufacturing Costs

Pressure-sensitive adhesives cut down on costs and time. Far less training and equipment are required. It's hard to imagine things weren't always so easy. Although application is simple: just peel and stick, All Tapes are not created equal. The adhesive layer should be matched with the intended use of the tape. Tacky, aggressive, high-wet-out adhesives solve for low surface energy or rough, textured surfaces because they'll flow into gaps and cling to plastics.

Some foam tapes are expected to perform close to the engine compartment, perhaps to insulate the cabin from noise and heat. This can also influence the adhesive formula, which must withstand rapid temperature fluctuations and remain bonded while incredibly hot.

So if you are having a design issue please contact us to assist you with matching the right adhesive for the job.