

Avery Dennison Performance Tapes PSA Solutions for Steering Wheels

Avery Dennison Performance Tapes offers a full line of specially formulated high performance pressure-sensitive tapes for assembling the various functional and decorative layers that wrap modern steering wheels.

Pressure-sensitive tapes provide many benefits over alternatives used to bond the leather and synthetic cover materials with the foams, heating and HOD (Hands Off Detection) sensing laminates for steering wheels.



Features

- A range of rubber and acrylic based tapes for secure bonding of PE and PU foams and PET non-woven scrims to synthetic (e.g. TPO) and natural leather wraps
- Robust PSA tapes that can withstand temperature differences, sweat and chemicals (e.g. hand creams)
- Range includes thin and flexible tapes for conformable foams and scrims
- Controlled release liners allow for easy removal at point of application
- Low VOC solutions available
- PSA can be supplied pre-laminated onto a foam layer

Benefits

- Secure component bonding with no heat or cure time
- Can help reduce assembly time and improve manufacturing flexibility compared to wet adhesives
- Compatible with functional layers using printed conductive ink circuits
- No loss of conformability of the steering wheel and thus no impact on comfort
- Industry proven; our tapes are approved by leading steering wheel manufacturers

Solutions

A range of Avery Dennison tapes have already found a place in the production of heated intelligent steering wheels. Hot melt rubber PSAs are ideal for bonding the protective natural leather (or synthetic alternative), being resistant to moisture. The acrylic adhesives are suited for bonding the other layers including those printed with conductive inks while maintaining conformability and keeping VOC values down.



| Product | Tape Thickness without liner (μ) | T-Peel Strength ISO 11339 (N / 2.5 cm) | | Carrier | Liner | Key Benefit |
|---------|----------------------------------|--|-------------------|-----------|-------------------|--|
| | | Natural Leather | Synthetic Leather | | | |
| FT 107 | 60 | 10.9 | 7.6 | - | Glassine, 100 gsm | Rubber based transfer tape for bonding PU and PE foams and natural/synthetic leather |
| FT 2018 | 80 | 11.2 | 6.5 | - | Glassine, 80 gsm | Transfer tape for general bonding with moderate VOC levels |
| FT 2150 | 60 | 9.5 | 6.1 | - | Glassine, 105 gsm | Low VOC transfer tape for foam and PET bonding and greater moisture resistance, also compatible with conductive inks |
| FT 2098 | 80 | n.a. | n.a. | - | Glassine, 80 gsm | Low VOC acrylic |
| FT 7397 | 102 | n.a. | n.a. | PET 12mu | PCK, 120 gsm | Acrylic adhesive double coated tape for general bonding, also compatible with conductive inks |
| FT 7961 | 95 | n.a. | n.a. | PET scrim | Glassine, 90 gsm | Low VOC reinforced transfer tape for PET bonding and greater moisture resistance, also compatible with conductive inks |
| FT 7999 | 90 | n.a. | n.a. | PET Scrim | Glassine, 80 gsm | Low VOC acrylic reinforced transfer tape |

For more information on our bonding tapes and adhesive solutions, call us:

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