

Avery Dennison Performance Tapes PSA Solutions for Laminated Car License Plates

With a wide range of specially formulated pressure-sensitive adhesives, Avery Dennison Performance Tapes can offer the optimal solution for the lamination of car license plates.

Laminated car license plates come in many forms, the acrylic plastic being the most common variant but with variations including polycarbonate and aluminium-polyester combinations. Key however is an adhesive that performs in demanding conditions, under varying temperatures and humidity, physical stresses and ultra-violet exposure while delivering the clarity to allow the reflective foils to perform and the vehicle registration to be legible also by automated number plate recognition systems. As these plates are an obvious feature on motor vehicles, maintaining a high quality in appearance is also important.

Our newest product for this application is the FT 31004 transfer tape, designed to laminate all plastic plates (acrylic, polycarbonate) as well as the aluminium-PET constructions. This clear transfer tape contributes to an optically clear license plate while the excellent uv stability maintains this clarity and reduces the yellowing effect under sunlight. The adhesive and double liner construction have been optimised for die cutting operations.



Automotive Applications

Designed for the car license plate lamination, FT 31004 is also suitable for other laminated graphic displays where a high degree of light transmittance is required, such as back lit signage.

Plates laminated with FT 31004 can meet the requirements of the British standard BS AU 145e for car license plates.

Features

- UV Stable Pure Acrylic Adhesive
- Double liner construction with a 120 gr polycoated kraft paper liner on the laminating side and a 100 μ clear polyethylene matt film on the mounting side.
- Rheology optimised adhesive.
- Variety of roll widths available.

Benefits

- Good initial tack and peel properties on medium to high surface energy materials such as aluminium and steel, acrylics, polyesters and polycarbonates.
- High shear resistance to enable plates to meet the bending requirements in BS AU145e
- Controlled liner release means easier processing of parts.
- Good resistance to adhesive bleeding with reduced picking.
- Optimised for die cutting operations.
- Resistant to water, detergents, alcohol, aliphatic and some aromatic hydrocarbons. Medium resistance to plasticizers.
- Excellent resistance to yellowing and other detrimental effects from extended sunlight exposure.
- Wide temperature resistance, from -40°C to 200°C

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

North America: +1 866 462 8379

Asia Pacific: +86 512 57155001

Europe: +32 (0)14 40 48 11

www.tapes.averydennison.com

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