

Avery Dennison® 7140 Glass Protection Film

Gloss Highly Transparent Polyester Removable

Features

- Highly transparent protective film for glass windows
- High calliper provides excellent protection
- Excellent clarity without optical distortion
- Clean removability

Description



Film: 100 micron gloss highly transparent treated polyester



Adhesive: Removable acrylic



Backing: one side siliconised polyester



Outdoor life:** Up to 3 years
Asia Pacific

Conversion*

- | | |
|--|--|
| <input type="checkbox"/> Flat bed cutters | <input type="checkbox"/> Cold overlaminating |
| <input type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Estat printing |
| <input checked="" type="checkbox"/> Die cutting | <input type="checkbox"/> Water based inkjet |
| <input type="checkbox"/> Thermal transfer | <input type="checkbox"/> Solvent inkjet |
| <input type="checkbox"/> Screen printing | <input type="checkbox"/> UV Cured inkjet |

Common Applications

- Buses, Trains & Trams
- Bus shelters

Standards

United Kingdom – BS 476
Germany - DIN 5510

Class 1 Fire rated
Brennbarkeitsklasse S4
Rauchentwicklungsklasse SR 2
Tropfbarkeitsklasse ST 2

Uses

Avery Dennison 7140 Window Protection Film is a high gloss, highly protects glass against damage by vandalism. After scratching, the film can be easily removed & replaced while the glass remains undamaged.

Application

Avery Dennison 7140 Glass Protection Film can be die cut and hand cut into the required shapes before application

Note

Polyester films are not compatible with acrylic, polycarbonate and other substrates that have a tendency to outgass. Application of Polyester films to these substrates should be avoided as bubbling or blistering can occur due to the inability of Polyester to allow transmission of gas generated by these substrates.

Physical characteristics

General

Caliper, facefilm	ISO 534	100 micron
Caliper, facefilm & adhesive	ISO 534	125 micron
Adhesion, ultimate	FINAT FTM-1, applied to glass	125 N/m
Removability		Excellent
Tensile strength	DIN 53455	175 N/mm ²
Scratch resistance	ASTM D 1044	7%
Shrinkage	Mil. Spec. 30 mins 120°C	Max. 1 mm
Flammability		Self-extinguishing
Shelf life	Stored at 22° C/50-55 % RH	1 year
Durability **	Vertical exposure	Up to 3 years

Thermal

Application temperature	Minimum: + 10°C
Temperature range	- 25°C to + 110°C

Chemical

Humidity resistance	200 hours exposure	No effect
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Test Methods

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Important

Information on physical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. They are intended only as a source of information and are given without guarantee and do not constitute a warranty. Purchasers should independently determine, prior to use, the suitability of any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery Dennison® materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give guarantee, warranty, or make any representation contrary to the foregoing.

All Avery Dennison® materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

**Durability

Durability is based on exposure conditions in the Asia Pacific region. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing north in the southern hemisphere or south in the northern hemisphere; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased.

*Compatible with most printer and ink combinations. Test prior to use.

***Information unavailable at time of printing.



Graphics
Solutions

Avery Dennison Graphics Solutions Asia Pacific

www.graphicsap.averydennison.com