Avery Dennison
Graphics Solutions
Product Data Sheet

Asia Pacific
August 2026

SL 6460 High Gloss
Clear Polyurethane Overlaminate
Revision 1

Introduction

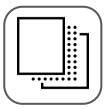
Avery Dennison® SL 6460 High Gloss is a premium quality, highly flexible clear film designed for use as a protective overlaminate film for screen and digitally printed decals. SL 6460 High Gloss offers exceptional values for applications requiring high gloss, abrasion resistance, conformability, and color durability. The high gloss film features a synthetic liner that creates a super smooth high gloss finish, which provides an overall paint like appearance of the finished graphics.

***Unsuitable for use on perforated window film**

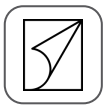
Common Applications

- Flat and corrugated sided trucks
- Vans with deep recesses and corrugations
- Full vehicles wraps
- Marine vessels*

Face Film
38 micron high gloss clear UV stable polyurethane



Adhesive
Permanent acrylic



Backing
50 micron one side coated transparent PET film

Outdoor life**
Up to 8 years

Features

- Ultra conformable film with excellent deep recess (channel) and concave performance in combination with our Ultimate Cast films
- Suitable for use in deep recesses and corrugations with MPI 1105 Easy Apply™ RS & SP 1500 Series
- Provides maximum UV and weathering protection with added abrasion and chemical resistance to printed graphics
- Improves digital printed inkjet outdoor durability and provides warranted performance of up to 6 years vertical and 3 years horizontal including a 1 year warranty against mould.
- Provides a high gloss finish with brilliant transparency for enhanced colour depth and bright, vivid images
- Dimensionally stable mottle reducing PET liner for easy converting
- Exceptional adhesion to solvent inkjet, UV curable inkjet and screen printed graphics

Conversion

- ◯ Flatbed cutters
- ◯ Friction fed cutters
- ◯ Die cutting
- ◯ Thermal transfer
- ◯ Screen printing
- ◯ Offset printing
- ◉ Cold overlaminating
- ◯ Electrostatic printing
- ◯ Eco solvent inkjet
- ◯ Solvent inkjet
- ◯ UV curable inkjet
- ◯ Latex inkjet

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Applications

- Refer to Instructional Bulletin 4.06 for Processing Tips for Laminating Films (DOL)
- Refer to Instructional Bulletin 1.16 for Conversion & Application of MPI 1105 EA RS for Vehicle Wrapping

General

Roll width, length	1372mm, 1524mm	45m
Caliper, face film **Caliper, face film & adhesive**	ISO 534 ISO 534	38 micron 63 micron
Gloss	@60°	93%
Elongation	DIN 53455	Min 200%
Dimensional stability	DIN 30646	0.3mm max
Adhesion, initial **Adhesion, ultimate**	FINAT FTM-1, Stainless steel FINAT FTM-1, Stainless steel	440 N/m 560 N/m
Shelf life	Stored at 22° C/50% RH	2 years
Flammability		Self extinguishing
Expected Durability**	Vertical exposure	Up to 8 years

Thermal

Application temperature		Minimum: + 4°C
Temperature range		-40°C to +80°C

Chemical

Humidity resistance		No effect
Water resistance		No effect
Chemical resistance	Mild acids Mild alkalis	No effect No effect

Note

Materials have to be properly dried and cured before further processing, like laminating, varnishing, trimming, contour cutting or application. The residual solvents can otherwise change the products' specific features and properties.

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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.

****Expected Durability**
The expected durability of Avery Dennison films are defined as the expected performance life of the Avery Dennison graphic film(s) within Zone 1 of the Avery Dennison zone system, in outdoor vertical exposure conditions.
The actual performance life will depend on a variety of factors, including selection and preparation of substrate, angle and direction of exposure, application methods, environmental conditions and cleaning/maintenance of the films.
In case of films used in areas of high temperatures or humidity, high altitudes and industrially polluted areas the performance will be further reduced.

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.

^^ Removability
Not removable when applied to nitrocellulose paints, fresh screen print inks, ABS, polystyrene & certain types of PVC.

Expected Durability and Warranted Period Definitions
Expected durability is the expected period of time defined in the product data sheet, the product should, but is not warranted to, perform satisfactorily when applied in vertical exposure conditions as defined in Instructional Bulletin 1.30. The warranted period as defined in the appropriate ICS Performance Guarantee Bulletin, is the maximum period of time Avery Dennison will warrant the finished products performance in accordance with ICS Performance Guarantee Terms and Conditions 1.0, provided that the film is properly stored, converted and installed in accordance with Avery Dennison guidelines.

Testing 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.

Chemical Resistance:
All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:
A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosion.

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