

PRODUCT DATA SHEET

Avery Dennison® SL 4580 Anti-Fingerprint

Issued: 09/2025

Introduction

Avery Dennison SL 4580 Anti-Fingerprint is an Ultra Matt clear PET film that can be used either in combination with coloured/digital printed vinyls or in a direct application to decorate panels, counters, cabinets or tables. This clear protective film designed for interior application offers great protection against fingerprints and stains and makes them easy to clean.

Conversion

For direct application, the film can be applied using wet or dry methods. Dry application is mandatory on rough substrates. Converters should test the product compatibility before full application and validate the visual appearance. The SL 4580 Anti-Fingerprint can be used as an overlaminating film on printed graphics or colored signage films with laminators. Refer to TB 5.4 Processing tips for Avery Dennison DOL&SL films for processing tips and reference guides.

The film is suitable for a 2D applications; however, for angles of 90 degrees or greater, cutting the film is recommended.

Recommendations

The SL 4580 Anti-Fingerprint can be applied directly to interior architectural surfaces for stain protection, decoration, and to provide an ultra-matte, easy-to-clean finish. Avoid applications on porous natural stones as it may lead to staining upon removal. When laminating over printed images, ensure inks/toners are thoroughly dry and free of silicone additives that may hinder adhesion.

Cleaning is recommended using AD Surface Cleaner or Isopropanol based cleaners following the prescribed manufacturer's recommendations, diluted accordingly. It is advised to limit the time of film in contact with the detergent.

Features

- » PVC free
- » Ultra matt aspect
- » Easy to clean - persistent stains can be cleaned with AD Surface Cleaner
- » Optimized adhesive to reduce the silvering on slightly rough surfaces (to be tested and validated by the customer prior to full application)
- » High abrasion resistance
- » Excellent dimensional stability
- » Improved resistance to chemicals and solvents
- » Indoor use only
- » Suitable for 2D or flat surfaces

Physical Characteristics



Face Film

50 µm Ultra Matt transparent polyester



Adhesive

Permanent, acrylic based



Backing

White bleached Kraft paper, 140 g/m²



Durability

Indoor: 4 years



Shelf Life

2 years

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	50
Caliper, facefilm + adhesive (micron)	ISO 534	85
Gloss (GU)	ISO 2813, 85°	18
Dimensional stability (mm max.)	FINAT FTM 14	0.2
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Vertical exposure	Indoor only
Fire Classification Rating	EN 13501-1	B-s1,d0
Adhesive		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	440
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	520
Adhesion, after 1 week (N/m)	FINAT FTM-1, stainless steel	520
Temperature range		
Application temperature (Minimum: °C)		Min 10
Service temperature (°C to +°C)		-30 to +100
Chemical properties³		
Humidity resistance	120 hours exposure	No effect
Corrosion resistance	120 hours exposure	No contribution to corrosion
Water resistance	48 hours immersion	No effect
Chemical resistance	Mild acids	No effect
Solvent resistance	Mild alkalis	No effect
Solvent resistance	Applied to aluminium	No effect exposed to: oils, greases, aliphatic solvents, motor oils, heptane, kerosene and JP-4 fuel.

Important

Information on physical and chemical characteristics and values in this document are based upon tests we believe to be reliable and do not constitute a warranty. 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 this material to their specific use.

All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of this document, the English version shall be prevailing and leading.

1) Test methods: More information about our test methods can be found on our website.

2) Durability: The durability is based on middle European exposure conditions. Actual performance life will depend on substrate preparation, exposure conditions and maintenance of the marking. For instance, in the case of signs facing south; in areas of long high temperature exposure such as southern European countries; in industrially polluted areas or high altitudes, exterior performance will be decreased..

3) Prolonged immersion in gasoline and similar fluids is not recommended.

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