

PRODUCT DATA SHEET

Avery Dennison® SP 1540 Ultra Clear

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Introduction

SP 1540 Ultra Clear is an optically clear, highly glossy, 3D conformable film designed for premium graphics applications. It comes with a permanent adhesive to grant long-term durability for a wide range of applications, from window decoration to car wrapping.

Conversion

SP 1540 Ultra Clear is a multi-purpose vinyl, suitable for a variety of wide format inkjet printers using hard solvent, eco/mild solvent, UV-curing or latex inks.

To enhance colour and to protect images against UV radiation and abrasion, it is recommended to protect SP 1540 Ultra Clear with itself.

Avery Dennison recommends special care for SP 1540 Ultra Clear and provides the "Technical Bulletin 5.14" with printing and application suggestions.

ICC profiles are available on the Avery Dennison website.

Recommendations

- » Architectural interior & exterior window decoration
- » Glass decoration
- » Partial or full car wrapping
- » Long term applications

Features

- » PVC free
- » 3D conformable
- » Ultra clear for no substrate look
- » Self-laminating: use SP 1540 also as lamination to keep only one product in stock
- » ICS Performance Guarantee for horizontal applications
- » Excellent printing results through main Digital platforms: eco/mild solvent, Latex and UV
- » Extreme gloss finish



Face Film

40 micron gloss transparent cast polyurethane



Adhesive

Permanent, clear, acrylic based



Backing

Clear PET, 72 g/m2



Durability

12 years (unprinted, vertical exposure)



Shelf Life

2 years

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	40
Caliper, facefilm + adhesive (micron)	ISO 534	70
Dimensional stability (mm max.)	FINAT FTM 14	0.3
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (years)	Unprinted, vertical exposure	12
Fire classification	EN13501-1	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	600

Temperature range

Application temperature (Minimum: °C)	+ 10 °C
Service temperature (°C to +°C)	- 40 °C to + 80 °C

Chemical properties³

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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