

PRODUCT DATA SHEET

Avery Dennison[®] SL 4510 Ultra Clear Polyester

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Introduction

Avery Dennison SL 4510 Ultra Clear Polyester is a super gloss overlaminating film for special use on Avery Dennison perforated window films to guarantee optimal adhesion performance of the perforated window film.

Conversion

For processing tips and reference guides please refer to Technical Bulletins:

- » 5.3 Recommended combinations and durability of Avery Dennison MPI/SP and Avery Dennison DOL/SL Series Films
- » 5.4 Processing tips for Avery Dennison DOL&SL films

Recommendations

When laminating overprinted images, the used inks/toners should be thoroughly dry and free of (silicone) additives that might reduce/prevent proper adhesion of the overlaminate.

Features

- » PVC free
- » High clarity
- » High abrasion resistance
- » Excellent dimensional stability
- » Good resistance to chemicals and solvents
- » Excellent adhesion
- » Excellent resistance to automatic washing cycles



Face Film

Premium quality 36 microns super gloss transparent polyester



Adhesive

Permanent transparent, acrylic-based



Backing

Transparent PET, 36 microns



Durability

3 years



Shelf Life

2 years

Physical Characteristics

| | Test method ¹ | Results |
|--|------------------------------|---|
| Product | | |
| Caliper, facefilm (micron) | ISO 534 | 36 |
| Caliper, facefilm + adhesive (micron) | ISO 534 | 60 |
| Dimensional stability (mm max.) | FINAT FTM 14 | 0.5 |
| Shelf life (years) | Stored at 22° C/50-55 % RH | 2 |
| Durability ² (years) | Vertical exposure | 3 |
| Fire Classification Rating | EN 13501-1 | B-s1, d0 |
| Adhesive | | |
| Adhesion, initial (N/m) | FINAT FTM-1, stainless steel | 280 |
| Adhesion, after 24 hours (N/m) | FINAT FTM-1, stainless steel | 400 |
| Temperature range | | |
| Application temperature (Minimum: °C) | | see TB 5.4 |
| Service temperature (°C to +°C) | | -40 - +80 |
| Chemical properties³ | | |
| Chemical resistance | Mild acids | No effect |
| Solvent resistance | Mild alkalis | No effect |
| Solvent resistance | Applied to aluminum | 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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