

PRODUCT DATA SHEET

Avery Dennison® DS White X Poly

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Introduction

Avery Dennison DS White X Poly film has been designed for flat skylite windows applications. This film provides a solution for retrofitting of used polycarbonate, PMMA or glass windows panels reducing heat gain and lowering temperature inside the building.

Conversion

For conversion information please review the Technical Bulletin ["Avery Dennison® Exterior Window Films"](#).

Recommendations

Avery Dennison DS White X Poly film allows you to modernize worn roof windows without having to replace them. It is designed to offer an optimum light transmission with a perfect adhesion on aged plastic or glass substrates.



Face Film

64 µm polymeric vinyl film



Adhesive

Permanent acrylic based



Backing

Polyethylene coated Kraft paper, 140 g/m²



Durability

Up to 4 years outdoor (horizontal exposure)¹



Shelf Life

2 years - stored at 22°C/ 50% RH

Features

- » Lower the temperature inside the building
- » White translucent aspect
- » Wet application combined with an improved liner strength
- » 4 years durability on slopped or horizontal applications in Zone 1

1) Warranted 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 is expected to be decreased. With regard to Avery Dennison Architectural Window Film Products, the durability shall not differ between the climatic zones, but the same durability shall apply to all climatic zones.

Physical Characteristics

Optical & Solar Properties (ISO 15099)	On Single clear glass 3 mm
Visible Light Transmitted %	8
Visible Light Reflected (Int) %	74
Visible Light Reflected (Ext) %	69
U V Block %	100
Total Solar Energy Reflected %	60
Total Solar Energy Transmitted %	16
Total Solar Energy Absorbed %	24
Shading Coefficient	0.26
Total Solar Energy Rejected %	77
Solar Heat Gain Coefficient	0.23
Emissivity (Room side)	0.84
U-Value Winter	1.04
K-Value Winter	5.91
Glare Reduction %	92
Luminous Efficacy	0.30
Light to Solar Gain Ratio (LSG)	0.34
Summer Solar Heat Gain Reduction %	74

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.

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