

PRODUCT DATA SHEET

Avery Dennison® 5600 LD Translucent Film

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Introduction

Avery Dennison® 5600 LD Translucent Film series have been especially designed to meet the challenges of LED illuminated signage. The range provides a simple single film solution - eliminating LED "hot spots" without the cost and complexity of additional diffuser film or pigmented acrylic sheet. Avery Dennison® 5600 LD Translucent Film series offer excellent conversion using computerised sign cutting on flatbed plotters and friction controlled plotters. In its design, the properties for excellent performance in thermoforming processes are built-in.

Conversion

Avery Dennison® 5600 LD Translucent Film series is developed for signcutting purposes with excellent cutting properties on a wide range of computerised signmaking equipment. The matrix can easily be weeded after cutting.



Face Film

70 micron, translucent cast vinyl film



Adhesive

Permanent, transparent acrylic based



Backing

one side coated white kraft paper, 140 g/m2



Durability

Up to 10 years



Shelf Life

2 years

Avery Dennison® Colour Matching: A fast colour matching service is offered for projects where specific colour needs cannot be matched from the standard colour range. The minimum order quantity for this service is one roll (1.23m x 50m).

Recommendations

- » Graphics for LED internally illuminated signs and canopies
- » Applications on both rigid and flexible substrates
- » Window graphics and retail signage using LED lighting technology

Features

- » Excellent colour fastness and durability up to 10 years
- » Single layer concept with high light transmission
- » Excellent colour uniformity in reflected and transmitted light
- » Excellent adhesion to a wide variety of substrates
- » Superior dimensional stability
- » Suitable for thermoforming
- » Color matching, minimum order of one roll

Physical Characteristics

Features	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	colours: 70 micron black&white: 50 micron
Caliper, facefilm + adhesive (micron)	ISO 534	colours: 100 micron black&white: 80 micron
Gloss (GU)	ISO 2813, 60°	20 GU
Dimensional stability (mm max.)	FINAT FTM 14	0.2 mm. max
Shelf life (years)	Stored at 22° C/50-55 % RH	2 years
Durability ² (years)	Vertical exposure ISO 4892-2	colours: 8 years black&white: 10 years
Adhesive		
Tensile strength (kN/m)	DIN 53455	1.0 kN/m
Elongation (%)	DIN 53455	75 %
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	350 N/m
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	480 N/m
	Glass	500 N/m
	PMMA	500 N/m
Temperature range		
Application temperature (Minimum: °C)		+10
Service temperature (°C to +°C)		-50 to +110
Heat resistance	3 weeks exposure at 80o C	No significant colour change

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.

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