

# PRODUCT DATA SHEET

## Avery Dennison® 5500 QM Translucent Film

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### Introduction

Avery Dennison® 5500 QM Translucent Films have been especially designed for sign cutting. Avery Dennison® 5500 QM Translucent Films offer excellent conversion using computerised sign cutting, hand cutting or die cutting.

### Description

Facefilm: 50 micron, translucent cast vinyl film  
Adhesive: permanent, transparent acrylic based  
Backing paper: one side coated white kraft paper, 140 g/m<sup>2</sup>

### Features

- Excellent colour uniformity in reflected and transmitted light.
- Excellent adhesion to a wide variety of substrates.
- Excellent colour fastness and durability.
- Superior dimensional stability.

### Recommendations for use

- Graphics for internally illuminated signs and canopies, on both rigid and flexible substrates.
- Window graphics and retail signage.

### 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.

### PANTONE® Cross-references:

A range of Pantone-approved colours is offered for faster colour choices and for the ease of use to the designers and signmakers. A separate list with Pantone-approved cross-references shows the approved colours and the link to the standard Avery Dennison name and code.

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## PRODUCT CHARACTERISTICS

## Avery Dennison® 5500 QM Translucent Film

### Physical properties

Features	Test method <sup>1</sup>	Results
Caliper, facefilm	ISO 534	50 micron
Caliper, facefilm + adhesive	ISO 534	80 micron
Tensile strength	ISO 2813, 20°	1.0 kN/m
Elongation	DIN 53455	75%
Gloss	ISO 2813, 20°	25GU
Dimensional stability	FINAT FTM 14	0.2 mm. max
Adhesion, initial	FINAT FTM-1 stainless steel	540 N/m
Adhesion, initial	FINAT FTM-1, PMMA	650 N/m
	Glass	600 N/m
	Stainless steel	650 N/m
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability <sup>2</sup>	Vertical exposure only	
White + Black	ISO 4892-2	10 years
Colours		8 years
Metallics		5 years

### Temperature range

Features	Results
Application temperature Minimum	Minimum: +10°C
Service temperature	-50° to +110° C
Heat resistance change	3 weeks exposure at 80° C No significant colour

**NOTE:** Materials have to be properly dried before further processing, for example laminating, varnishing or application. The residual solvents could change the products' specific features.  
For good print and converting result we recommend to let the rolls acclimatize in the print/lamination room at least 24h. before printing or converting. Too much temperature or humidity deviation between material and room climate can cause layflatness and/or printability issues.  
Generally, constant material storage conditions of ideally 20°C (+/-2°C) /50% RH (+/- 5%), without too big climate deviations, will support a more robust and stable printing/converting process. For further details, please refer to TB 1.11.

### Important

Information on physical and chemical characteristics is based upon tests we believe to be reliable. The values listed herein are typical values and are not for use in specifications. 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. This product with often high contrasting film colours is generally used on larger viewing distances. Nearby observation might show randomly some cloudy effect in the film surface, which will not interfere in the end-use of the product. All technical data are subject to change. In case of any ambiguities or differences between the English and foreign versions of these Conditions, the English version shall be controlling.

### Warranty

Avery Dennison® branded materials are manufactured under careful quality control and are warranted to be free from defect in material and workmanship. Any material shown to our satisfaction to be defective at the time of sale will be replaced without charge. Our aggregate liability to the purchaser shall in no circumstances exceed the cost of the defective materials supplied. No salesman, representative or agent is authorised to give any guarantee, warranty, or make any representation contrary to the foregoing.  
All Avery Dennison® branded materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

#### 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.