

PRODUCT DATA SHEET

Avery Dennison® DOL 5900 Floor Marking

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Introduction

Avery Dennison DOL 5900 is a transparent textured overlaminate designed to protect promotional media on **indoor** floor applications, ensuring robust full color graphics and excellent slip and wear resistance during its functional life. It is compatible with Avery Dennison MPI 3001/MPI 3002.

Conversion

For processing tips and reference guides please refer to 5.7 Technical Bulletin: Recommendations for conversion, application and use of Avery Dennison Floor Marking.

When laminating over printed images, the used inks/toners should be thoroughly dry and free of (silicone) additives that might reduce/prevent proper adhesion of Avery Dennison DOL 5900.



Face Film

100 micron, transparent matt textured vinyl overlamination film



Adhesive

Clear, permanent, acrylic based adhesive



Backing

Clay coated kraft paper, 95 g/m2



Durability

6 months



Shelf Life

2 years

Recommendations

- » Indoor retail floor advertising
- » Interior decoration for promotional purposes
- » Exhibition indoor floor graphics

Features

- » Overlamination film with matt textured surface for indoor floor graphics protection
- » Extended life span up to 6 months durability in combination with MPI 3001/MPI 3002 (**for indoor use**)
- » Excellent slip and wear resistance, certified according to DIN norm
- » Fire classification rating available
- » Film with good adhesion properties and easy to handle
- » Slip Resistance Classification R9 according to DIN 51130:2014

Physical Characteristics

	Test method ¹	Results
Product		
Caliper, facefilm (micron)	ISO 534	100
Caliper, facefilm + adhesive (micron)	ISO 534	135
Gloss (GU)	ISO 2813, 20°	
Dimensional stability (mm max.)	FINAT FTM 14	0.4
Shelf life (years)	Stored at 22° C/50-55 % RH	2
Durability ² (months), indoors only	Vertical exposure	6
Fire Classification Rating	EN 13501-1	B _{fl} -s1
Slip Resistance Rating	DIN 51130:2014	R9
Adhesive		
Adhesion, initial (N/m)	FINAT FTM-1, stainless steel	520
Adhesion, after 24 hours (N/m)	FINAT FTM-1, stainless steel	680
Temperature range		
Application temperature (min °C)		see TB 5.4
Service temperature (°C to +°C)		0 - +40
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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