PRODUCT DATA SHEET

Avery Dennison® DOL 6040 Sparkle

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Introduction

DOL 6040 Sparkle is a premium quality, flexible, high gloss cast laminate film designed for use as a protective overlaminating film for digitally printed imag. Due to its metallic flakes in the film, it provides a metallic look and high gloss finish for printed graphics.
DOL 6040 Sparkle in combination with our cast vinyl films offer the best protection against colour fading, UV radiation and abrasion which improves the durability of the image.

Description

Film :	76 micron gloss cast vinyl
Adhesive:	Permanent, clear acrylic based
Backing:	Transparent Filmic Liner

Conversion

For processing tips and reference guides, please refer to Technical Bulletins:
- 5.3 “Recommended combinations of Avery Dennison overlaminates and Avery Dennison Digital Print Media”.
- 5.4 “Processing tips for Avery Dennison DOL films”.

Uses

Protective overlaminating film for digital printed images on flat or curved substrates, for indoor and outdoor use.

Features

- Premium quality, flexible, durable cast laminate.
- Sparkles in the film create a metallic finish on a printed graphic.
- High gloss finish.
- Enhances colour and depth of image.
- Improves durability of image (up to 3 years outdoors).
- Protects against UV radiation and abrasion.

PRODUCT CHARACTERISTICS

Avery Dennison® DOL 6040 Sparkle

Physical properties

Features	Test method[1]	Results
Caliper, facefilm	ISO 534	76 micron
Caliper, facefilm + adhesive	ISO 534	102 micron
Gloss Level, typical value	ISO 2813, 20°	70 Gloss Units
Dimensional stability	FINAT FTM 14	max. 0.3 mm
Adhesion, initial	(ASTM 1000), stainless steel	500 N/m
Adhesion, ultimate	(ASTM 1000), stainless steel	650 N/m
Shelf life	Stored at 230C/50-55% RH	2 years
Durability[2]	Vertical exposure	3 years

Temperature range

Features	Results
Application temperature	See Technical Bulletin
Service temperature:	- 40 °C to + 80 °C

Chemical properties

Features	Results
Chemical resistance	Resistant to most petroleum based oils, greases and aliphatic solvents. Resistant to mild acids, alkalis, salts.

Prolonged immersion in gasoline and similar fluids is not recommended.

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.
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.