

PRODUCT DATA SHEET



Avery® MPI™ Flexible Curtain Film

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Introduction

Avery MPI Flexible Curtain Film is a gloss white polymeric self-adhesive vinyl. It is suitable for use on a variety of super wide format inkjet and airbrush printers using solvent ink.

Avery MPI Flexible Curtain Film is designed to be used on flexible curtain sided vehicles.

Description

Film : 80 micron highly flexible film, especially formulated for marking tilts and curtain sided vehicles

Adhesive : permanent, on PVC curtain material only

Backingpaper : one side coated bleached kraft paper, 140 g/m²

Conversion

Avery MPI Flexible Curtain Film is a multi-purpose vinyl, developed for use on various super wide format printers using solvent inks.

Avery **MPI-A Flexible Curtain Film** rolls are reverse wound on a special core with 4 notches.

In Avery Technical Bulletin 5.15, printer compatibility details of Avery MPI media are listed.

To enhance colour and protect images against UV radiation and abrasion, Avery MPI Flexible Curtain Film is recommended to be varnished using one of the recommended varnishes as mentioned in Technical Bulletin 5.3.

Uses

Permanent marking, decoration and advertising on tilts and (roller) curtain sided vehicles.

Features

- Excellent outdoor durability, no fading from machine washing.
- No dirt ingress, easy cleaning.
- Highly flexible, even at extremely low temperatures.
- Easy to apply, either on or off vehicle.
- Ultra-high bond to curtain surfaces.



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PRODUCT CHARACTERISTICS

Avery® MPI™ Flexible Curtain Film

Physical properties

Features	Test method ¹	Results
Caliper, facefilm	ISO 534	80 micron
Caliper, facefilm + adhesive	ISO 534	130 micron
Tensile strength	DIN 53455	1,0 kN/m
Elongation	DIN 53455	200 %
Gloss	ISO 2813, 60°	45 %
Dimensional stability	DIN 30646	0,2 mm max.
Adhesion on PVC curtain fabrics		Typical value 1500 N/m
Accelerated ageing	DIN 53387 1500 hours exposure	No negative impact on film performance
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability (Unprinted)	Vertical exposure	3-5 years

Temperature range

Features	Results
Minimum application temperature:	+10° C
Service temperature:	- 50° to + 90° C

Chemical properties

Features	Test method ¹	Results
Humidity resistance	200 hours exposure	No effect
Water resistance	48 hours immersion	No effect
Washability (scrub) test	ASTM-D-2486 ; 1000 cycles	No effect

Chemical/Solvent resistance	Immersion time	Adhesion
Test Fluid		
Diesel oil	24 hours	800 N/m
Antifreeze	24 hours	800 N/m
Distilled water 65°C	24 hours	800 N/m
Detergent solution 65° C	8 hours	800 N/m
SAE Motoroil	24 hours	800 N/m

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® 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® 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

All chemical resistance tests are conducted with Avery MPI Flexible Curtain Film applied on PVC curtain fabric substrates.

Avery MPI Flexible Curtain Film does not adhere to metal substrates.

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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