PRODUCT DATA SHEET

Avery® 700 Premium Film

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Introduction
Avery 700 Premium Films are ideal for many medium-life indoor and outdoor applications with an excellent dimensional stability. Avery 700 Premium Films are available in a very extensive range of standard colours. Any other colour can be ordered through our extended colour match services.

Description
Facefilm: 64 micron polymeric vinyl film
Adhesive: permanent, acrylic based
Backing paper: one side coated bleached kraft paper, 130 g/m^2

Conversion
Avery 700 Premium Films can be cut on a wide variety of computerised sign cutting equipment. Die cutting will also show good performance. Avery 700 Premium Films can be thermal transfer printed.

Features
- Superior cutting and weeding.
- Excellent dimensional stability.
- High gloss appearance.
- Attractive film range with 120 colours.
- Good opacity.

Avery 700 Premium Films White and 730 Premium Films White Matt are manufactured on a blue contrast backing paper for ease of conversion.

Recommendations for use
Avery 700 Premium Films offer a very wide range of special colours for:
- Window graphics.
- Directional signage, indoor and outdoor.
- Vehicle graphics, rigid sided.
- Poster sites.
- Promotional displays.

Application surfaces may vary from regular flat to curved substrates for which a medium-term durability is required.

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PRODUCT CHARACTERISTICS

Physical properties

Features	Test method[1]	Results
Caliper, facefilm	ISO 534	64 micron
Caliper, facefilm + adhesive	ISO 534	90 micron
Dimensional stability	DIN 30646	0,25 mm. max
Elongation at break	DIN 53445	120%
Adhesion, initial	FINAT FTM-1, stainless steel	460 N/m
Adhesion, ultimate	FINAT FTM-1, stainless steel	660 N/m
Flammability		self-extinguishing
Accelerated ageing	SAE J 1960, 1500h exposure	No negative impact on film performance
Shelf life	Stored at 22° C/50-55 % RH	2 years
Durability[2]	Vertical exposure	
Black & White		8 years
All Colours & Transparent		7 years
Metallics		5 years

Temperature range

Features	Results
Application temperature	Minimum: +10° C
Temperature range	- 40° to + 110°C

Chemical resistance

Features	Test method[1]	Results
Humidity resistance	200 hours exposure	No effect
Saltspray resistance	120 hours exposure	No effect
Water resistance	48 hours immersion	No effect
Solvent resistance	applied to aluminium:	
	1 hour diesel oil immersion	No effect
	4 hours antifreeze immersion	No effect

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.

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
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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