

Avery[®] MPI 4436 Scrimless Backlit

510gsm Scrimless Backlit Banner

Features

- PVC banner without woven texture
- Excellent light transmission for internally illuminated and backlit applications
- No curved edges when used in hanging system and roll ups
- Excellent for close to medium viewing work with no scrim pattern visible
- Scrimless construction for high resolution images
- Compatible with most solvent inkjet printers
- Rapid ink drying after printing
- Resistant to UV, rain, fungi and frost

Conversion*

- | | |
|--|---|
| <input type="checkbox"/> Flat bed cutters | <input type="checkbox"/> Cold overlaminating |
| <input type="checkbox"/> Friction fed cutters | <input type="checkbox"/> Water based inkjet |
| <input type="checkbox"/> Die cutting | <input checked="" type="checkbox"/> Eco solvent inkjet |
| <input type="checkbox"/> Thermal transfer | <input checked="" type="checkbox"/> Solvent inkjet |
| <input checked="" type="checkbox"/> Screen printing | <input checked="" type="checkbox"/> UV cured inkjet |

Uses

Avery MPI 4436 Scrimless Backlit Banner is ideal for applications where a full colour illuminated image is required for close up viewing with no scrim pattern visible, and where excellent printability is required. It is suitable for portable display systems, exhibitions, indoor and outdoor advertising

Description

Film	510gsm matt white translucent scrimless laminated PVC banner
Scrim Construction	PET (polyester) film
Standard Widths	1.37m
Maximum Width	2.3m
Roll Length	30m
Outdoor Life	Up to 1 year
Printability	Suitable with most solvent inkjet printers including Vutek, NUR, Scitex, Roland, HP, Seiko, Mutoh, Mimaki, DGI and others

Common Applications

- Illuminated signs
- Indoor Lightboxes
- Indoor banners
- Exhibition banners
- Point of sale banners

Physical characteristics

General

Caliper			510gsm
Tensile strength	- Length	ISO 13934-1:1999	142.6 kg / 50mm
	- Width	ISO 13934-1:1999	144.1 kg / 50mm
Elongation	- Length	ISO 13934-1:1999	144.9%
	- Width	ISO 13934-1:1999	130.4%
Tear Strength	- Length	ISO 13937-2:2000	0.4 kg force
	- Width	ISO 13937-2:2000	0.5 kg force
Adhesion Strength	- Length	ISO 2411, C.R.E	3.1 kg / 50mm
	- Width	ISO 2411, C.R.E	3.0 kg / 50mm
Transmittance		ASTM E 424-71	30.1 %
Flammability			***
Shelf life			1 year
Durability **	Vertical exposure		Up to 1 year
Resistance to weathering	ASTM G26, XENON ARCLAMP, 18Min. SPRAY/2HRS., 100HRS EXPOSURE		No Change

Thermal

Resistance to low temperature	DIN53351	-20°C
Resistance to high temperature	DIN53351	80°C

Chemical

Determination resistance of synthetic polymeric materials to fungi	ASTM G21-1996	0
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Note:

Materials have to be properly dried and cured before further processing, like laminating, varnishing, trimming, contour cutting or application. The residual solvents can otherwise change the products' specific features and properties.

Test Methods

Dimensional stability:

Is measured on a 150 x 150 mm aluminium panel to which a specimen has been applied; 72 hours after application the panel is exposed for 48 hours to + 70°C, after which the shrinkage is measured.

Adhesion:

(FTM-1, FINAT) is measured by peeling a specimen at a 180° angle from a stainless steel or float glass panel, 24 hours after the specimen has been applied under standardised conditions. Initial adhesion is measured 20 minutes after application of the specimen.

Flammability:

A specimen applied to aluminium is subjected to the flame of a gas burner for 15 seconds. The film should stop burning within 15 seconds after removal from the flame.

Temperature range:

A specimen applied to stainless steel is exposed at high and low temperatures and brought back to room temperature. 1 hour after exposure the specimen is examined for any deterioration. Note: Prolonged exposure to high and low temperatures in the presence of chemicals such as solvents, acids, dyes, etc. may eventually cause deterioration.

Important

Information on physical 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 any material for their specific use.

All technical data is subject to change without prior notice.

Warranty

Avery® 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 guarantee, warranty, or make any representation contrary to the foregoing.

All Avery® materials are sold subject to the above conditions, being part of our standard conditions of sale, a copy of which is available on request.

**Durability

The durability is based on Australian 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 north; in areas of long high temperature exposure such as northern Australia; in industrially polluted areas or high altitudes, exterior performance will be decreased.

*Compatible with most printer and ink combinations. Test prior to use.

***Information unavailable at time of printing.

Chemical Resistance:

All chemical tests are conducted with test panels to which a specimen has been applied. 72 hours after application the panels are immersed in the test fluid for the given test period. 1 hour after removing the panel from the fluid, the specimen is examined for any deterioration.

Corrosion Resistance:

A specimen applied to aluminium is exposed to saline mist (5% salt) at 35°C. After exposure, the film is removed and the panel is examined for traces of corrosion.