Metamark MDT

Translucent Vinyl for Backlit Displays

METAMARK
The Materials Company

Product Description

Metamark MDT is a premium grade translucent polymeric calendered self-adhesive vinyl for printers using solvent inks. The product has been developed to provide outstanding print performance for backlit applications. The product has a satin finish and is supplied with a solvent-based adhesive. MDT is suitable for application onto backlit signs and lightboxes, for interior or exterior use. The satin finish translucent film produces minimal glare and consistent colour transmission.

Material Handling

- Ensure that the material has reached room temperature and a relative humidity of 50% before printing.
- Do not handle the face film directly and ensure it is free from dust and static.

Printing Guidelines

- Suitable for use on Solvent and Eco Solvent inkjet printers. Always perform a test print first.
- Ensure that the correct profiles and heater settings are used. Most profiles are available for download from www.metamark.co.uk.
- To achieve the correct colour intensity for backlit applications, a double print pass is recommended.

Overlaminating and Application

- Allow the inks to cure before cutting flush to the print. before use, or overlaminating, this is usually 24-48 hours
- The matched laminate for MDT is MetaGuard 703. For all other laminates the user should determine suitability.
- The user should determine suitability of substrate, refer to the web site. Not recommended for use on low energy surfaces.
- Refer to www.metamark.co.uk for application guidelines.

Face Film

Face Film	Polymeric calendered PVC
Gauge	80 micron nominal
Tensile Strength	58N/25mm MD / 54N/25mm TD nominal
Elongation at break	180% MD nominal

Adhesive

Type	Crystal clear solvent-based acrylic
Weight	22gsm nominal
Adhesion to glass 20 mins	15N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Perceived tack	Medium
Application temperature	+5°C to +60°C
Service temperature	-30°C to +110°C

Release Liner

Print	'Metamark T series' blue print
Weight	140 gsm nominal
Type	Layflat kraft with PE coating

Finishes

Finishes Available	MDT-600	Satin white

Roll presentation

Roll sizes and net weights	760mm x 50m	11kg
	1370mm x 50m	18kg
	1520mm x 50m	22kg
Presentation	Face film outwards.	

Durability

Shelf Life	2 years
External weathering	5 years. This refers to the unprinted vinyl. Refer to ink manufacturer for durability of the finished product.
Fire Rating	Class B. BS EN 13501-1:2007
Chemical Resistance	The unprinted film is resistant to mineral oils, fats and fuels, aliphatic solvents, mild acids, salt and alkali for e.g. diesel oil, gasoline, paraffin, hydraulic oil, antifreeze, soap suds, etc.

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