

Metamark MDT

Translucent Vinyl for Backlit Displays



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 solventbased 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.

Features & Benefits

- Satin finish for minimal glare.
- 38% light transmission.
- Matched MetaGuard MG-700 Overlaminates
- For Solvent, Eco Solvent, Latex and UV printing.
- 7 year durability and MetaSure Warranty.

Face Film	
Face Film	Polymeric Calendered Vinyl
Gauge (ISO 2286-3)	80 micron nominal
Tensile Strength	58N/25mm MD / 54N/25mm TD nom.
Elongation at break	180% MD nominal

Adhesive	
Type	Crystal clear solvent-based acrylic
Adhesion to glass 20 mins	15N/25mm nominal
Adhesion to glass 24 hour	20N/25mm nominal
Application temperature	+10°C to +50°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	White Satin
Light Transmission	38%	

Roll Presentation	
Roll Widths	0.76m / 1.37m / 1.52m
Roll Lengths	50m / 25m

Durability	
Shelf Life	2 years. (10-20°C and 50% R.H).
External weathering	5 years (Unprinted). Northern European conditions, vertical. Refer to full Metamark International durability guide.
Fire Rating	Class B - BS EN 13501-1:2007
Chemical Resistance	Unprinted film resistant to mild acids, aliphatic solvents, salt and alkali, diesel, gasoline, paraffin, hydraulic oil, antifreeze.
Regulations	REACH and RoHS Compliant.

Printing and Handling

- Always perform a test print first. Ensure that the correct profiles and heater settings are used. Refer to www.metamark.co.uk.
- Ensure that the material has reached room temperature and a relative humidity of 50% before printing.
- Do not handle the face film, ensure free from dust and static.
- Overlamination is recommended to prevent abrasion, extends colour fastness, and also offers easier handling.
- The matched laminate for MDT is MetaGuard MG-700 Series.

Application

- Allow a minimum of 24-48 hours for the solvents to dry off before application of the overlaminate, or to the substrate, depending on the print and drying conditions this can often be in excess of 48 hours. Retained solvents will reduce adhesion levels.
- The user should determine suitability of substrate.
- Not recommended for use on low energy surfaces such as polypropylene.
- Suitable for wet or dry application.

MetaSure® Warranty

Metamark (UK) Limited warrants to its customers that graphics produced using Metamark Media and Overlaminates will remain in good condition without excessive fading or colour degradation for the specified life time of the ink used, when correctly stored, printed and applied in accordance with procedures outlined in the technical literature. If within the specified years of normal use Metamark Media and Overlaminates becomes ineffective for its intended use, then Metamark will provide sufficient material to produce a new replacement marking, and will at its own discretion, contribute an allowance in additional material towards the costs involved in replacing the graphics. In all cases, the converter is held fully responsible for storing, processing and applying the unconverted materials in accordance with Metamark's technical specifications. Metamark (UK) Limited will not be liable for any indirect or consequential loss or damage, and will not provide any allowance against improper usage, application accident, negligence, chemical damage or improper repair. The above data is given in good faith to provide an indication of the performance of the product. Purchasers should consider the suitability of each product for its intended use and the purchaser assumes all risks in connection with such use. Seller shall not be liable for damages in excess of the purchase price of the product nor for incidental nor consequential loss.

Metamark (UK) Limited

- Luneside • New Quay Road • Lancaster • LA1 5QP • Tel +44 (0)1524 387140
- Metamark House • Genesis Business Park • Albert Drive • Woking • GU21 5RW • Tel +44 (0)1483 571111

sales@metamark.co.uk
www.metamark.co.uk