tyco Electronics — Identification

TECHNICAL DATA SHEET

Document number: TTDS-118
Issue: 1
Date: March 2005

HMM high tack matte metalized polyester

DESCRIPTION:

Tyco HMM is a matte top coated thermal transfer printable metalized polyester film with a high tack pressure sensitive permanent acrylic adhesive.

USE:

Designed for applications such as rating plates and serial plates that require high adhesion to textured surfaces, metals, low surface energy plastics and powder coated surfaces. The matte surface provides excellent mark permanence and the high tack adhesive of HMM will bond to the most demanding surfaces.
For guaranteed print performance and durability, use with Tyco's RHD series ribbon.

PRINT METHOD:

Thermal Transfer
Preferred Printer/Ribbon: Tyco T312S printer, Tyco 1330-0607-10 ribbon

Alternative printer-ribbon combinations available for use with HMM.
Contact Tyco Electronics Identification for more information.

COLOR:

Matte Silver

APPROXIMATE THICKNESS:

Film:	0.056mm (0.0022 in)
Adhesive:	0.051mm (0.002 in)
Total:	0.107mm (0.0042 in)

ADHESIVE:

'High-tack permanent acrylic

ADHESION:

Tested per ASTM D 903 –at room temperature (70F)

Stainless Steel	typically 102oz/inch (112N/100mm)	72 hour dwell
Acrylic	typically 116oz/inch (128N/100mm)	72 hour dwell
Glass	typically 101oz/inch (111N/100mm)	72 hour dwell

TACK

Typically 990gm/sq cm ASTM-D2979 at 21C (70F, 1 second dwell)

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SERVICE TEMPERATURE:	-40C to 150C (-40F to 302F)
MINIMUM APPLICATION TEMPERATURE:	10C (50F)
UV Transmissibility:	<0.01%
SHELF LIFE:	2 years when stored at 21C (70F) at 50% R.H.
UL Approval:	UL Approved per UL969 class PGJI2 (File# MH17292)

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