

TECHNICAL DATA SHEET

www.tycoident.com

Document number: TTDS-084
Issue: 1
Date: November 2002

MV Tamper evident metalized polyester

MATERIAL DESCRIPTION:	Tyco "MV" is a thermal transfer printable metalized polyester with a permanent acrylic adhesive, designed with a tamper evident feature that leaves a "VOID" footprint when the labels is removed.
USE:	Ideal for applications such as rating plate and serial number labels that require protection against removal.
PRINT METHOD/RIBBON:	Preferred Printer/Ribbon combination: Thermal Transfer: Tyco T308S-PRINTER, Tyco 1330-0607-10 Ribbon Alternative Printer/Ribbon combinations: Thermal Transfer: T312M-PRINTER, Tyco 1330-0607-10 Ribbon Thermal Transfer: T312S-PRINTER, Tyco 1330-0607-10 Ribbon Thermal Transfer: T200 Series, Tyco 1330-3300-101TT Ribbon Thermal Transfer: T400 Series, Tyco 1330-0607-10 Ribbon
SHELF LIFE:	2 years when stored at 21°C (70°F) at 50% R.H.
ADHESIVE:	Permanent acrylic
COLOR:	Matte Silver
APPROXIMATE TOTAL THICKNESS:	Facestock: 0.061mm (0.0024 in) Adhesive: 0.025mm (0.0010 in) Liner: 0.079mm (0.0031 in)

Page 1 of 3

Business locations:

☎ N America: + 1 650 361 3860 (West Coast)
☎ France: +33 (0) 476 099696 (Labels)
☎ Germany: + 49 (0) 6074 89080
☎ UK: + 44 (0) 1495 244000 (Labels)
☎ Japan: + 81 (0) 44 900 5102

☎ N America: + 1 401 751 6505 (East Coast)
☎ France: + 33 (0) 134 20 21 22 (Other products)
☎ UK: + 44 (0) 1793 528171 (Other products)
☎ Singapore: + 65 (0) 4866 151

All the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.

TECHNICAL DATA SHEET

www.tycoident.com

Document number: TTDS-084
Issue: 1
Date: November 2002

MV Tamper evident metalized polyester

ADHESION:	This product shows tampering when removal is attempted by leaving a "VOID" pattern on the application surface. Tamper evidence can only be obtained if label is adhered to a clean flat surface for a minimum of 24 hours.
DIMENSIONAL STABILITY:	No shrinkage observed on sample when exposed to 71°C (160°F) for 24 hours
SERVICE TEMPERATURE:	-40° C to 150° C (-40° F to 302° F)
MINIMUM APPLICATION TEMPERATURE:	10°C (50°F)
SOLDER IMMERSION:	After 10-second immersion at 250°C (480°F) in molten solder: slight yellowing, print remains legible.
FLAMMABILITY:	UL Recognized
ABRASION RESISTANCE:	Printing (text and graphics) remain legible for 100 revolutions of CS-10 wheels with 500 gram load (Taber-Abraser Model 5130) Print remains legible after repeated rub testing as per AS-81531

Page 2 of 3

Business locations:

☎ N America: + 1 650 361 3860 (West Coast)
☎ France: +33 (0) 476 099696 (Labels)
☎ Germany: + 49 (0) 6074 89080
☎ UK: + 44 (0) 1495 244000 (Labels)
☎ Japan: + 81 (0) 44 900 5102

☎ N America: + 1 401 751 6505 (East Coast)
☎ France: + 33 (0) 134 20 21 22 (Other products)
☎ UK: + 44 (0) 1793 528171 (Other products)
☎ Singapore: + 65 (0) 4866 151

All the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.

TECHNICAL DATA SHEET

www.tycoident.com

Document number: TTDS-084
 Issue: 1
 Date: November 2002

MV Tamper evident metalized polyester

PRINT PERFORMANCE: Resistant to fluids- see below. Samples printed using Tyco recommended ribbons. All tests conducted at room temperature unless otherwise stated

FLUID	EFFECT
MIL 202F	
IPA/Mineral spirits	Print remains clearly legible
Bioact	Print remains clearly legible
Butyl Cellusolve	Print remains clearly legible
IPA (Continued wipe testing - 50 wipes)	No visual effect
Water (7 day immersion)	Print remains clearly legible
Engine Oil at 250°F (121°C) (48 hour soak)	No visual effect
Engine Coolant at 200°F (93°C) (4 hour soak)	Print remains clearly legible

Page 3 of 3

Business locations:

☎ N America: + 1 650 361 3860 (West Coast)
 ☎ France: +33 (0) 476 099696 (Labels)
 ☎ Germany: + 49 (0) 6074 89080
 ☎ UK: + 44 (0) 1495 244000 (Labels)
 ☎ Japan: + 81 (0) 44 900 5102

☎ N America: + 1 401 751 6505 (East Coast)
 ☎ France: + 33 (0) 134 20 21 22 (Other products)
 ☎ UK: + 44 (0) 1793 528171 (Other products)
 ☎ Singapore: + 65 (0) 4866 151

All the above information, including illustrations, is believed to be reliable. Users, however, should independently evaluate the suitability of each product for their application. Tyco Electronics makes no warranties as to the accuracy or completeness of the information and disclaims any liability regarding its use. Tyco Electronics only obligations are those in the Standard Terms and Conditions of Sale for this product and in no case will Tyco Electronics be liable for any incidental, indirect or consequential damages arising from the sale, resale, use or misuse of the product. Tyco Electronics Specifications are subject to change without notice. In addition Tyco Electronics reserves the right to make changes in materials or processing, without notification to the Buyer, which do not affect compliance with any applicable specification.