



# TECHNICAL DATA SHEET

## “LM” polyester metalized look

|   |  |
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| <b>MATERIAL DESCRIPTION:</b>            | Tyco "LM" is a polyester film with a metalized look and special top coating designed for use with laser printers. The material is coated with a permanent acrylic adhesive on a 50 lb. lay flat release liner  |
| <b>USE:</b>                             | Ideal for applications requiring a high durability label with metal appearance. Ideal for rating plate applications.   |
| <b>PRINT METHOD/RIBBON:</b>             | Laser printing   |
| <b>SHELF LIFE:</b>                      | 2 years when stored at 21°C (70°F) at 50% R.H.   |
| <b>ADHESIVE:</b>                        | Permanent acrylic  |
| <b>COLOR:</b>                           | Matte Silver   |
| <b>APPROXIMATE TOTAL THICKNESS:</b>     | Facestock: 0.060mm (0.0023 in)<br>Adhesive: 0.020mm (0.0008 in)<br>Liner: 0.094mm (0.0037 in)  |
| <b>ADHESION:</b>                        | ASTM-D-3330 (180° peel direction), 72 hour dwell at 21°C (70°F):<br><br>Stainless Steel typical adhesive failure at 56N/100mm (51oz/inch)<br>Polycarbonate typical adhesive failure at 57N/100mm (52oz/inch)<br>Polyethylene typical adhesive failure at 36N/100mm (33oz/inch)<br>Glass typical adhesive failure at 74N/100mm (68oz/inch)<br>Polypropylene typical adhesive failure at 20N/100mm (18oz/inch) |
| <b>DIMENSIONAL STABILITY:</b>           | No shrinkage observed on Aluminum Panel at 160°F (71°C) for 24 hours   |
| <b>SERVICE TEMPERATURE:</b>             | -40° C to 150° C (-40° F to 302° F)  |
| <b>MINIMUM APPLICATION TEMPERATURE:</b> | 10°C (50°F)  |

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## “LM” metalized polyester

UV TRANSMISSIBILITY: < 0.01%

CHEMICAL RESISTANCE: All tests run at room temperature unless otherwise stated

| SOLVENT                             | TEST            | EFFECT            |
|-------------------------------------|-----------------|-------------------|
| Alcohol (Isopropyl)                 | 7 day immersion | no visual effect* |
| Water                               | 7 day immersion | no visual effect* |
| Engine Oil at 250°F (121°C)         | 4 hour soak     | no visual effect  |
| Engine Coolant at 176°F (80°C)      | 4 hour soak     | no visual effect  |
| Tide ® detergent 50% dilute w/water | 4 hour soak     | no visual effect  |

\* Adhesion unaffected

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