

TECHNICAL DATA SHEET

Document number: TTDS 125
Issue: 1

Date: July 2005

SMS-V Colored Vinyl

- MATERIAL DESCRIPTION:** Colored vinyl tape formulated with a permanent acrylic adhesive and a topcoat specifically for thermal transfer printing.
- USE:** Mainly used for general labeling (patch panels, electrical panels, datacom racks) and asset labeling.. The tape can be recommended for outdoor usage.
- PRINT METHOD:** Thermal transfer: Tyco T107M-SMS-PRINTER,
- COLORS:** White, yellow, red and green

Property	Unit	Value		Test method
1. General				
Thickness tape	Micron	150± 10%		Micrometer
- Thickness liner	Micron	50 ± 10%		
2. Adhesive properties				
		Dwell		
		24 hrs	72 hrs	
- To stainless steel	N/25mm	24.2	24.3	PSTC-1
- To glass		23.3	23.0	
- To PVC		21.9	22.0	
- To textured ABS		20.2	22.6	
- To powder coated steel		18.4	19.8	
- To wood		19.0	20.5	
- To polypropylene film		10.8	10.0	
- To polyethylene		5.8	7.2	
- To Lever Arch File		5.7	9.1	
- To steel computer casing		8.6	10.6	

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<p>3. Chemical resistance of text printed in T107M</p> <ul style="list-style-type: none"> - Eurosuper - Diesel - Isopropylalcohol - Ethanol - Ethyl acetate - Skydrol* LD-4 <p>(Hydraulic engine oil)</p> <ul style="list-style-type: none"> - Sabesto** <p>Automotive brake fluid cleaner</p> <ul style="list-style-type: none"> - Water <p>Abrasion resistance of text printed in T107M</p> <p>Pencil erasure Polystyrene pin Sandpaper</p>	<p>30x 30x 30x 30x 5x 30x 30x 30x 30x 30x 30x 30x 30x</p>	<p>Slight print removal No visible effect No visible effect Slight print removal Printing gone Moderate print removal Moderate print removal No visible effect No visible effect No visible effect Slight print removal</p>	<p>Crockmeter, 900g weight/arm</p>
<p>4. UV light stability of label</p> <p>30 days with UV light in suntester (corresponds with 1 year real-life exposure in Central Europe)</p>		<p>No visible effect on print or background. Slight shrinkage of the material.</p>	

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<p>5. Temperature stability</p> <p>Application temperature</p> <p>Service temperature</p> <p>- 30 days in consumer freezer</p> <p>- 30 days at 90°C</p> <p>- 5 minutes at 145°C</p>	<p>°C</p>	<p>Above 10°C</p> <p>No visible effect</p> <p>Slight discoloration of the background. No visible effect on print.</p> <p>Severe shrinkage of the material. No visible effect on print or background.</p>	
<p>6. Humidity resistance of applied label</p> <p>30 days at 40°C, 95 % R.H</p>		<p>No visible effect on print or background. Slight shrinkage of the material.</p>	
<p>7. Shelf life of cassette</p>		<p>1 year at 5-25°C and 40-80% relative humidity. We are confident that our product will perform beyond this time frame. However, it remains the responsibility of the user to assess the risk of using such product. We encourage customer to develop functional testing protocols that will qualify a product's fitness for use, in their actual applications.</p>	

* Skydrol is a registered trademark from Solutia

** Sabesto is a registered trademark from Wurth

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