



**Technical Product
information**

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M1500 Colored vinyl tape

M1500 is a colored vinyl tape formulated with a permanent acrylic adhesive and a topcoat specifically for thermal transfer printing. Colored vinyl tape is mainly used for general labeling (patch panels, electrical panels, datacom racks,...) and asset labeling. The vinyl tape exists in five different colors : white (M1500), yellow (M1500YL), orange (M1500OR), red (M1500RD) and green (M1500GN). The tape can be recommended for outdoor usage.

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	
3. Chemical resistance of text printed in ILP219				
- Eurosuper	30x	No visible effect	Crockmeter, 900g weight/arm	
- Diesel	30x	No visible effect		
- Isopropylalcohol	30x	No visible effect		
- Ethanol	30x	Slight print removal		
- Ethyl acetate	5x	Printing gone		
- Skydrol* LD-4 (hydraulic engine oil)	30x	Slight print removal		
- Sabesto** automotive brake fluid cleaner	30x	No visible effect		
- Water	30x	No visible effect		

<p>Abrasion resistance of text printed in ILP219</p> <ul style="list-style-type: none"> - Pencil erasure - Polystyrene pin - Sandpaper 	<p>30x 30x 30x</p>	<p>No visible effect No visible effect Slight print removal</p>	
<p>4. UV light stability of label</p> <ul style="list-style-type: none"> - 30 days with UV light in suntester (corresponds with 1 year real-life exposure in Central Europe) 		<p>No visible effect on print or background. Slight shrinkage of the material.</p>	
<p>5. Temperature stability</p> <ul style="list-style-type: none"> - Application temperature - Service temperature - 30 days in consumer freezer - 30 days at 90°C - 5 minutes at 145°C 	<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> <ul style="list-style-type: none"> - 30 days at 40°C, 95 % R.H 		<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

