



Technical Data Sheet
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Dymo Vinyl Embossing tape (3D)

The product consists of an ink-coated embossable PVC film, laminated to a polyethylene carrier with an acrylic adhesive. The tape is available in 6mm, 9mm, 12mm and 19mm widths, in mat or glossy finish and in a range of colors and roll lengths.

Property	Unit	Value	Test method
1. General			
- Thickness tape	Micron	305 ± 15	Micrometer
- Thickness liner	Micron	60 ± 6	
2. Adhesive properties			
		Dwell	
		20 min 24 hrs	
- to stainless steel	N/25mm	23 36	PSTC-1
- to glass		32 46	
- to PVC		17 36	
- to textured ABS		21 26	
- to powder coated steel		10 13	
- to wood		17 27	
- to polypropylene film matt		1 2	
- to polypropylene film glossy		1 2	
- to polyethylene		1 1	
- to Lever Arch File		4 4	
- to steel computer casing	10 13		
- shear	Minutes	Dwell 10 min	Sheartester 12mmx12mm
		1440	
<i>Dwell denotes the contact time between label and surface</i>			

<p>3. Chemical resistance of text printed in embossing tool</p> <ul style="list-style-type: none"> - Eurosuper 30x - Diesel 30x - Isopropylalcohol 30x - Ethanol 30x - Ethyl acetate 30x - Skydrol* LD-4 (hydraulic engine oil) 30x - Sabesto** automotive brake fluid cleaner 30x - Water 30x <p>Abrasion resistance of text Printed in embossing tool</p> <ul style="list-style-type: none"> - Pencil erasure 30x - Polystyrene pin 30x - Sandpaper 30x 		<p>No visible effect No visible effect No visible effect No visible effect Moderate print removal No visible effect No visible effect No visible effect</p>	<p>Crockmeter, 900g weight/arm</p>
<p>4. UV light stability of label</p> <ul style="list-style-type: none"> - real life test 		<p>No visible effect on text and background</p>	
<p>5. Temperature stability</p> <ul style="list-style-type: none"> - Application temperature - Service temperature <p>30 days in consumer freezer 5 years at 20°C</p>	<p>°C</p>	<p>Room temperature -20° to 60°C No visible effect No visible effect</p>	
<p>6. Humidity resistance of applied label</p> <ul style="list-style-type: none"> - 30 days at 40°C, 95 % R.H. (on alu panel) 		<p>To be done</p>	
<p>7. Weatherability in QUV</p> <ul style="list-style-type: none"> - 30 days at 60°C (on alu panel) 		<p>To be done</p>	
<p>8. Shelf life of tape</p> <ul style="list-style-type: none"> - 1 year at 5-25°C and 40-80% relative humidity in its original packaging 			

***Skydrol is a registred trademark from Solutia & ** Sabesto is a registred trademark from Wurth**
 Scratch & Solvent resistance : The printed labels are subjected to different scratching sources and chemicals for a fixed number of cycles with a finger weight of 900g.

