



Technical Data Sheet
Final version ; edition 2
Date: 23/10/2002

DYMO LabelWriter Clear

(1) Description

DYMO LabelWriter Clear product is a polypropylene label with a semi-permanent adhesive. The product is supplied on a roll, for almost all applications where a clear label is required. The labels are printed on the LabelWriter with a thermo-direct printing process, which involves no messy ink ribbons, toner or cartridges. Individual labels or whole rolls can be printed with laser like print quality. This product is recommended for indoor use only. Direct and indirect exposure to sunlight as well as high temperatures and humidity must be avoided.

Property	Unit	Value		Test method
1. General				
- Thickness tape	Micron	150 ± 10		Micrometer
- Thickness liner	Micron	55 ± 5		
2. Adhesive properties		Dwell¹		PSTC-1
		20 min	24 hrs	
- to stainless steel	N/25mm	14	18	
- to glass		10	18	
- to PVC		10	17	
- to textured ABS		9	12	
- to powder coated steel		2	5	
- to wood		5	7	
- to polypropylene film matt		4	6	
- to polypropylene film glossy		9	10	
- to polyethylene		4	6	
- to Lever Arch File		2	3	
- to steel computer casing		2	5	

¹ Dwell denotes the contact time between label and surface

<p>3. Chemical resistance² of text printed in LabelWriter Turbo 330</p> <ul style="list-style-type: none"> - Eurosuper 30x - Diesel 30x - Isopropylalcohol 30x - Ethanol 30x - Ethyl acetate 30x - Skydrol LD-4 30x (hydraulic engine oil) - Water 30x <p>Abrasion resistance² of text Printed in LabelWriter Turbo 330</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 Printing gone Printing gone</p> <p>Severe print removal</p> <p>No visible effect No visible effect Slight print removal</p>	<p>Crockmeter, 900g weight/arm</p>
<p>4. Light stability³ of printed label</p> <ul style="list-style-type: none"> - in suntester with glass filter (corresponds with direct exposure behind 3 mm window glass) 		<p>Background becomes yellow-brown. The print fades but is still legible.</p>	
<p>5. Temperature stability</p> <ul style="list-style-type: none"> - Application temperature - Service temperature <p>30 days in consumer deep freezer</p> <p>24 h at 50°C</p> <p>10 minutes at 85°C</p>	<p>°C</p>	<p>Room temperature</p> <p>-20 to 50 °C</p> <p>No visible effect</p> <p>No visible effect</p> <p>No changes in print quality. Background becomes dark grey.</p>	

² Resistance: The printed labels are subjected to different chemical and scratching sources for a fixed number of cycles with a finger weight of 900g.

³ Resistance up to wool scale 6. This corresponds with 108 winter days and 216 summer days exposure behind window glass.

<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) 		To be done	
<p>7. Shelf life of label roll</p> <ul style="list-style-type: none"> - 1 year at 5-25°C and 40-80% relative humidity in its original packaging 		Avoid exposure to heat, humidity & sunlight.	