



Technical Data Sheet
Draft version ; edition 1
Date: 02-08-02

Letratag Metallic tape

The tape is supplied in a cassette and used with the LT machine. Each tape is 12mm wide and 4m long, available in silver and green. This tape is not recommended for outdoors usage as it is not resistant to water.

Property	Unit	Value	Test method
1. General			
- Thickness tape	Micron	170 ± 17	Micrometer
- Thickness liner	Micron	90 ± 9	
2. Adhesive properties			
		Dwell	
		20 min 24 hrs	
- to stainless steel	N/25mm	17 20	PSTC-1
- to glass		17 20	
- to PVC		21 22	
- to textured ABS		10 9	
- to powder coated steel		8 14	
- to wood		5 10	
- to polypropylene film matt		1 2	
- to polypropylene film glossy		2 3	
- to polyethylene		6 7	
- to Lever Arch File		3 5	
- to steel computer casing	3 6		
- shear	Minutes	Dwell 10 minutes 1440	Sheartester 12mmx12mm

<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 - Exxsol D40*** naptha 30x - ULS 200**** cleaning solvent 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 Printing gone</p> <p>No visible effect</p> <p>No visible effect</p> <p>No visible effect No visible effect No visible effect</p> <p>No visible effect No visible effect Moderate print removal</p>	<p>Crockmeter, 900g weight/arm</p>
<p>4. light stability of label inside</p> <ul style="list-style-type: none"> - real life test of 1year 		<p>No visible effect on text and background when tested indoors</p>	
<p>5. Temperature stability</p> <ul style="list-style-type: none"> - Application temperature - Service temperature <p>30 days in consumer freezer</p> <p>24hrs at 100°C, no R.H. 24hrs at 90°C, 90% R.H.</p>	<p>°C</p>	<p>Room temperature</p> <p>-20° to 80°C</p> <p>No visible effect</p> <p>No visible effect Black oxidation is observed</p>	
<p>6. Weatherability in QUV</p> <ul style="list-style-type: none"> - 30 days at 60°C (on alu panel) 		<p>Not resistant, oxidation is observed</p> <p>Not suited for contact with water, salt water or fertilizers</p>	

7. Shelf life of cassette - 1 year at 5-25°C and 40-80% relative humidity in its original packaging			
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**Skydrol is a registered trademark from Solutia, ** Sabesto is a registered trademark from Wurth
Exxsol is a registered trademark from Exxon, *ULS is a registered trademark from Electrolube*

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.