



**Technical Product
information**

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M1120 white permanent tape

M1120 is a white polyester tape for thermal transfer printing. It is formulated with a permanent acrylic adhesive and is mainly used for inventory marking as well as for adhesion onto rough surfaces. It can be recommended for outdoor usage.

Property	Unit	Value	Test method	
1. General				
- Thickness tape	Micron	135 ± 10%	Micrometer	
- Thickness liner	Micron	56 ± 10%		
2. Adhesive properties				
		Dwell		
		24 hrs	72 hrs	
- to stainless steel	N/25mm	22	35	PSTC-1 (modified for 72 hours)
- to glass		20	40	
- to PVC		18	36	
- to powder coated steel		19	35	
- to wood		13	24	
- to polypropylene film		15	17	
- to polyethylene		10	12	
- to Lever Arch File		8	15	
- to steel computer casing		9	15	
- to textured ABS		22	38	
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	No visible effect		
- Ethyl acetate	5x	Printing gone		
- Skydrol* LD-4 (hydraulic engine oil)	30x	No visible effect		
- Sabesto** (brake fluid cleaner)	30x	No visible effect		
Abrasion resistance of text printed in ILP219				
- Pencil erasure	30x	No visible effect		
- Polystyrene pin	30x	No visible effect		
- Sandpaper	30x	Moderate print removal		

4. UV light stability of label 30 days with UV light in suntester		No visible effect on text and background	
5. UV light stability of adhesive 30 days with UV light in suntester		No loss of adhesive properties.	
6. Temperature stability - Application temperature - Service temperature - 30 days in consumer freezer - 30 days at 90°C - 5 minutes at 145°C	°C	Room temperature No visible effect No visible effect No visible effect	
7. Humidity resistance of label - 30 days at 40°C, 95 % R.H.		No visible effect on text and background.	
8. Weatherability in QUV with rain/sun cycles - 30 days at 60°C		No visible effect on text. Slight yellowing of background	
9. Adhesion onto rough surfaces - 30 days on computer housing		No loss of adhesive properties.	
10. Shelf life of cassette		1 year at 15-30°C and 35-85% 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.