

TECHNICAL DATA SHEET

Document number: TTDS 124
Issue: 1

Date: July 2005

SMS-PPNA Non Adhesive Tag

MATERIAL DESCRIPTION:	180 µm white polypropylene tag material with topcoat
USE:	Designed for use as an insert for label holders for wire and cable marking, patch panels, module marking. Specifically formulated for thermal transfer printing, it is available in 4 widths: 6, 9, 12 and 19 mm. Can be recommended for outdoor usage..
PRINT METHOD:	Thermal transfer: Tyco T107M-SMS-PRINTER,
COLORS:	White

Property	Unit	Value	Test method
1. General			
Total thickness	Micron	230 ± 10	Micrometer
2. Chemical resistance of text printed in T107M			
Test was conducted at room temperature. Testing consisted of 5 cycles of 10 minute immersions in the specified test fluid followed by a 30 minute recovery period. After final immersion, samples were rubbed ten times with felt saturated with test fluid - Eurosuper - Diesel - Isopropylalcohol - Sabesto* (brake fluid cleaner) - Water		Severe print removal Slight print removal Printing gone Printing gone No visible effect	Crockmeter, 900g weight/arm

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<p>Abrasion resistance of text printed in T107M</p> <ul style="list-style-type: none"> - Pencil erasure - Polystyrene pin - Sandpaper 		<p>Slight print removal Metal trace visible Slight print removal</p>	
<p>3. UV light stability (in insert)</p> <ul style="list-style-type: none"> - 30 days with UV filter in suntester (Simulates 1 year outdoor exposure) 		<p>No visible effect on text and background</p>	
<p>4. UV light stability (not in insert)</p> <ul style="list-style-type: none"> - 30 days with UV filter in suntester (simulates 1 year outdoor exposure) 		<p>No visible effect on text and background</p>	
<p>5. UV light stability (in insert)</p> <ul style="list-style-type: none"> - 30 days with glass filter in suntester (simulates 1 year exposure behind window glass) 		<p>No visible effect on text and background</p>	
<p>6. UV light stability (not in insert)</p> <ul style="list-style-type: none"> - 30 days with glass filter in suntester (simulates 1 year exposure behind window glass) 		<p>No visible effect on text and background</p>	
<p>7. Temperature stability</p> <p>Application temperature</p> <p>Long term high service temperature</p> <ul style="list-style-type: none"> - 30 days at 55°C - 30 days at 90°C <p>Long term low service temperature</p> <ul style="list-style-type: none"> - 30 days at -18°C 	<p>°C</p>	<p>> 10°C</p> <p>No visible effect No visible effect No visible effect</p>	

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8. Humidity resistance of applied label			
30 days at 45°C, 85 % R.H		No visible effect	
9. Shelf life of cassette		2 years when stored between 10°C and 25°C and 35 to 65% RH.	

** Sabesto is a registered trademark from Würth

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