

2021-11-11

The TM Manual shows areas for improvement – logic, contents, language/semantics, pictures, orthography and consistency

Example for logic:

- 5001 - Peel adhesion from steel also contains liner peel and peel from other substrates

Example for contents:

- Missing 90° Peel adhesion method for d/s tapes in 5001
- No times for conditioning (multiple cases)

Examples for language/semantics:

- Peel adhesion from steel or from it's own backing
- "Adherence"
- "Measurement of adhesion"

Example for Pictures

- Description of pendulum method fits to sketch but not to actual devices

Example for Orthography

- Missing blanks, newton

Areas for Improvement	TM Cat A	Cat B	Cat C	
Logic				
Contents	x			
Language/Semantics	x	x		
Pictures	x	x		
Orthography	x	x	x	
Consistency Glossary				x

x = to be worked on

To be defined: Which method into which category

1. Proceed according to the matrix?
2. To be decided: continuous improvement and rolling updates of the TM Manual or all changes into a dummy file and make "big bang"? or something in between?
3. Is there an obligation to document the changes?
4. Whom to ask for allowable changes and changes that need approval – by whom?

Areas for Improvement		TM Cat A	Cat B	Cat C
Logic				
Contents		X		
Language/Semantics		X	X	
Pictures		X	X	
Orthography/Formalities		X	X	X
	Proposal	K. Seitz	2021-11-21	
Measurement of Peel Adhesion from Stainless Steel or from Its Own Backing	5001	X		
Breaking Strength and Elongation of Adhesive Tapes 19	5004	X		
Static Shear Adhesion of Adhesive Tapes	5012	X		
Shear Adhesion Failure Temperature (SAFT) of Adhesive Tapes 38 49	5013	X		
Thickness of Adhesive Tapes	5006	X		
Guidelines for Widths and Lengths of Adhesive Tapes	6003	X		
Loop Tack of Adhesive Tapes	5014	X		
Resistance to High Temperature and Humidity 64	4003		X	
Tearing Strength of Adhesive Tapes by the Pendulum Method	4007		X?	?
Supplement A - Testing Narrow Width Tapes	4007			X
Measurement of the Unwinding Force of Adhesive Tapes at High Speed 74	4008	X		
Flame Resistance of Adhesive Tapes	4009	X		
Determination of Insulation Resistance	4010	X		
Electric Strength of Adhesive Tapes	4011	X		
Unwind Adhesion of Adhesive Tapes at Low Speed	4013	X		
Elongation of Adhesive Tapes under Reduced Load	4014			X
Quick Stick	4015		X?	
Bond Separation of Thermosetting Tapes During Curing	4019			X
Length of a Roll of Adhesive Tape	4021		X	
Flagging or End-Lifting Test	4022	X		
Solvent Penetration of Masking Tapes	4023			X
Accelerated Ageing of Adhesive Tapes	4026		X	
Measurement of Width of Adhesive Tapes	4027		X	
Sampling Plan for Quality Assurance Purposes	4028			X
Supplement A - Sampling Plan for Quality Assurance Purposes	4028			

picture for 5004? Is this the kind of roll for “clamping” of reinforced tapes described in the method?



Note 5: The use of clamps for testing reinforced tapes is discouraged because the strength of reinforced tapes requires excessive clamping pressure which can cause crushing of the reinforcing filaments. When this occurs, the tape usually breaks at the jaw edge which can result in lower breaking values. Hence the use of cylinders described in 5.1.3 is recommended for reinforced tapes.

What does this mean?

In Resistance to High Temperature and Humidity

7.3 Depending on the use to which the tape is to be applied, further testing maybe carried out by measuring properties such as **linear adhesive power**, **tangential adhesive power**, unwind force, etc. The corresponding Afera test methods shall be used. It is recommended to compare the values obtained both before and after exposure, to prevent errors of personal judgement.