

## MINUTES

### CALL TO ORDER

Chairman Kiran Malhotra called the meeting to order at 9:00 am.

### ROLL CALL

The following members were in attendance:

Kiran Malhotra, Chair	Adchem Corporation
Gary Avalon	Chemsultants International
Mark Byrne	Intertape Polymer Group
Svetlana Contrada, Ph.D.	Permacel
Warren Ketola, (ASTM & ISO Liaison)	3M
Dave LaBue	Permacel
Al Marquis	Covalence Adhesives
Mike Mercer	3M
Tom Reffle	Rohm and Haas Company
Coleen Smith	National Adhesives
<u>Guests</u>	
John Johnston	Technical Advisor Emeritus
Mike Tumey, Ph.D.	Technical Steering Committee Chair
<u>Staff</u>	
Tim Jensen, Ph.D.	Technical Advisor
Glen Anderson	Executive Vice President
Lynn Valastyan	Director of Communications

### 15<sup>th</sup> EDITION TEST METHODS REVIEW

Each committee member received a complimentary copy of the new 15<sup>th</sup> edition for review. Comments were positive regarding overall look, and each committee member will review content and send necessary changes to Glen.

The committee discussed the benefits of offering the Test Methods electronically, in addition to the print version. Committee members were tasked with talking to their colleagues regarding interest and sending comments to Glen. The costs to launch the site are significant and PSTC should only further explore if the membership will support. ASTM offers digital version of their standards at a premium costs of several hundred dollars.

A complimentary 15<sup>th</sup> Edition Test Methods will be sent to each member company's voting delegate with cover letter from committee chair Malhotra.

Several committee members expressed desire for PSTC to obtain copies of latest Afera manual for each member.

## **ISO PROCESS**

Warren Ketola advised that the USA's ISO vote, through ANSI, will be affirmative for the three ISO test methods. The three methods are expected to move to FDIS (final draft international standard) following close of vote on June 30, 2007:

- EN 1939 (Afera 5001/PSTC 101)
- EN 1943 (Afera 5012/PSTC 107)
- EN 14410 (Afera 5004/PSTC 131)

The committee discussed the importance of understanding how ISO functions and how will future harmonize test methods be handled. Warren Ketola, 3M, and participant on ISO's Technical Committee 61 (TC 61), that handled the above approval, will be attending an ISO, TC61 September meeting in India. At this time Warren will work for clarification on how ISO recommends handling future requests. At this time the discussion is to form a new subcommittee, maybe under TC 61. Following the September meeting there will be a more definite direction on future for requesting ISO approval for PSA tape methods. It will be important for PSTC, Afera and JATMA to assess this direction and work towards building an appropriate committee support with members that are from the three organizations.

Afera and PSTC agreed to the support JATMA's request for sending #4 test method for ISO approval. The fourth method (Afera 5006/PSTC 133) is in EN development (1942). Both PSTC and Afera agreed to support JATMA recommendation on the expanded specifications for the foot diameter and foot pressure. PSTC anticipates receiving status report on the EN approval at the October Annual Afera Congress in Barcelona first week of October. It is PSTC's understanding that following EN acceptance that Afera will have AFNOR present the method to the ISO process.

The methods listed below remain as PSTC's priority choices for global harmonization.

PSTC's recommendation for harmonizing the next set of test methods in priority order

### **1. Tack Testing**

- a. Rolling Ball-PSTC 6
- b. Loop-PSTC 16
- c. Inverted probe (reference as the old Polyken Tack Method)-No current PSTC test method being discussed for development

JATMA has requested that PSTC review PSTC-6 Tack Rolling Ball Test Method with JIS Method using the "Dow Method" with difference size rolling balls for variances in tape adhesion. PSTC simple version does not work on lower tack or on lower caliper tapes because the ball rolls off the tape and a quantitative measurement is not possible when this occurs.

**2. Release Performance**

- a. Relative Performance of Release Coatings-PSTC 4
- b. Adherence to Linerboard of PS Tapes Low Temperature-PSTC 11
- c. Adhesion of PS Tapes to Fiberboard et al-PSTC 14

PSTC committee persons Dave LaBue and Coleen Smith will work to determine if there is any compatibility to the above three tests for consolidation into one test.

**3. Unwind**

- a. Unwind Force of PS Tapes – PSTC-8
- b. High Speed Unwind Adhesion of PS Tapes – PSTC-13

PSTC committee persons Dave LaBue and Gary Avalon will review both methods for compatibility.

**4. Tear Resistance**

- a. Tear Resistance of PS Tapes – PSTC-38
- b. Tear Resistance of Plastic Film Tapes – PSTC-39

Committee person Mike Mercer will review the above two methods for compatibility with ASTM test methods and possible consolidation.

**5. Accelerated Aging of PS Tapes – PSTC-9**

Committee person Al Marquis will review for compatibility with ASTM test methods.

**TEST METHODS ASSIGNMENTS**

Committee members will review current method assignments and get back to Glen with any requested changes at the August telemeeting.

<b>Name</b>	<b>Methods</b>
M. Mercer	101, 107, 131, 133, 38, 39
D. LaBue	4, 8, 13, 15
A. Marquis	5, 6, 9, 16
C. Smith	11, 14, 21, 22
T. Reffle	34, 35, 55, 56
M. Byrne	50, 51, 53, 54, 57, 58
K. Malhotra /G. Avalon	71, Appendices
G. Avalon	Photos and video clips

**PROBE TACK TEST**

This item was tabled for further discussion.

**TESTING PANEL DISCUSSION**

The committee agreed that all appropriate steps for handling and cleaning test panels have been covered in the 15<sup>th</sup> edition and consistent with ASTM.

Pressure Sensitive Tape Council  
Test Methods Committee Meeting  
Orlando, Florida, USA  
May 15, 2007  
Page 4 of 6

### **TEST PANEL SURFACE ROUGHNESS**

The committee will pursue this topic during the afternoon's global meeting, and ask that the group consider specifying maximum roughness as 30 +/- 20 nm.

### **INTERNATIONAL ORGANIZATIONS**

PSTC will continue to identify appropriate international organizations and keep this information current for members only publish at <http://www.pstc.org/members/global.php>.

### **SAFT TESTING**

Coleen Smith, National Adhesives, uses SAFT and will share method with the committee. Don Pierson at Rohm and Haas should be contacted for a copy of his company's method. The committee will discuss at the next meeting.

### **COMMITTEE STRUCTURE AND OPERATIONS**

The committee will formalize a rotation for committee member service. After discussion at the technical steering committee, Mike Mercer was nominated to become the current vice-chair to succeed Kiran May 2008. Retiring chair person will remain on the current committee as an advisor for at least one year.

Glen will bring a proposed rotation schedule to the August meeting, where not more than 30% of members leave in one year, the length of service can be three years with the rotation of the chair to be two or three years.

The committee will likely continue quarterly telemeetings and one personal meeting per year, as it is the most cost-effective and productive management for the committee.

### **ADJOURNMENT**

The committee adjourned for lunch at 11:40 and was joined by global committee representatives.

### **RECONVENE GLOBAL TEST METHODS COMMITTEE MEETING**

The committee reconvened at 1:00 pm with all the above attendees and the following representatives from Afera and JATMA

**Lutz Jacob, Afera**

**Akira Katakura, JATMA**

**Akihiro Yamada, JATMA**

Pressure Sensitive Tape Council  
Test Methods Committee Meeting  
Orlando, Florida, USA  
May 15, 2007  
Page 5 of 6

#### **AFERA**

Lutz Jacob confirmed that the following three test methods:

1. EN 1939 (Afera 5001/PSTC 101)
2. EN 1943 (Afera 5012/PSTC 107)
3. EN 14410 (Afera 5004/PSTC 131)

are in the ISO system for voting results due June 30, 2007. If no substantive objections are received, the three methods move to publication. If there are objections, methods will be reworked and there will be a second vote.

The fourth method (Afera 5006/PSTC 133) is in EN development (1942), following PSTC and Afera's agreement to move to JATMA recommendation on foot diameter and foot pressure. It is likely this method will be discussed in detail at the Annual Afera Congress in Barcelona first week of October.

Lutz supported use of AFNOR for future harmonization efforts, while agreeing that PSTC would be well served to research option of going directly to ANSI for assistance. All agreed that understanding ISO committee structure and with the potential direction of establishing a new subcommittee to hand future PSA tape methods. All organizations will research this understanding within the countries ISO committee structure and share findings as early as possible.

The committee discussed and confirmed that Afera and PSTC will continue to use their own test method format after the ISO certification is received. Upon publication of ISO methods, JATMA will use the ISO format in its test method publication.

#### **JATMA**

Akihiro Yamada made a formal presentation "Comparative Study with BA Panels" to work towards a harmonized specification for testing steel panels used in many test methods. The emphasis was that harmonization of test methods become ineffective in gaining globalization standard if variable surfaces on the test steel test panels are being used. After extensive discussion agreement was to continue working on talking with each association to reach an global standard. PSTC's Tom Reffle and Gary Avalon and Afera's Lutz Jacob will share each association's recommendations in the months. One suggestion for a harmonized steel test panel surface roughness is 30 +/- 20 nm.

#### **PROPOSED METHODS IN PRIORITY ORDER**

Afera and JATMA agreed that the tack testing method should become the next harmonized test method submitted for ISO approval. Each association will send their opinions to each association on harmonization of the tack test method.

The group agreed to continue working on harmonization and ISO approval for release, unwind, tear resistance and aging.

Pressure Sensitive Tape Council  
Test Methods Committee Meeting  
Orlando, Florida, USA  
May 15, 2007  
Page 6 of 6

**ADJOURNMENT**

There being no further business, the meeting was adjourned at 3:45 pm.

REPECTFULLY SUBMITTED  
PRESSURE SENSITIVE TAPE COUNCIL  
Lynn Valastyan  
Director of Communications