

Polymers Subcommittee Meeting Minutes
Wednesday, 17 March 2010
International Centre Headquarters
Conference Room D
2:00 p.m. – 3:00 p.m.
L. Liu, Chairman

1. Call to Order and Opening Remarks L. Liu

2. Appointment of Minutes Secretary

3. Roll Call and Attendance

4. Approval of the 2009 Meeting Minutes

The March 2009 meeting minutes were approved.

5. Report of Board Liaison T. Blanton

T. Blanton: About fifteen new polymer patterns were submitted to the committee and reviewed by J. Reid, including four amorphous patterns.

6. Status of Polymer Activity (PDF and polymer list) L. Liu

L. Liu: Reviewed what was discussed in the polymer task group with a focus on the quality of polymer diffraction patterns and how to speed up the expansion of the polymer database. In terms of data quality, slow crystallization process generally leads to a better defined crystal structure with sharper and more diffraction peaks.

C. Crowder suggested adding crystallinity into the database, as crystallinity data in the PDF database will create value for users.

L. Liu: Crystallinity is valuable information as a reference, though the value could fluctuate in a certain range depending on the thermal history of the materials.

7. 2010 DXC Workshop has planned a polymer section.

8. Polymer task group members: J. Kaduk, T. Blanton, L. Liu, F. Wireko, M. Aflori, C. Crowder, and J. Reid J. Reid will send out the following lists to the group:

- a. List of polymers in the PDF having raw data in the database
- b. List of polymers in the PDF with only d-I lists, without raw data

The group will review the lists and come up with a list of 25 prioritized materials which we want to add to the database. L. Liu will work with X. Chen to get the data collected in China. The raw data will be needed by the last two weeks in September for next year's release.

9. Grant-in-Aid Special project:

Motion: The Polymer Subcommittee recommends to the Technical Committee to set up special grant/funds for future activities after the trial of first 25 samples.

10. Adjournment