

Minutes TPE-Forum

Date: 28. Nov. 2019

Place: SKZ Würzburg

Participants:

- Actega DS
- Agor
- Albis
- Allod
- Allod
- Ambra Kunststoffe
- Basell Deutschland
- BASF
- Brabender Messtechnik
- C4PP
- Covestro
- Deutsches Institut für Kautschuktechnologie
- F. W. Breidenbach
- Hexpol TPE
- Hochschule Schmalkalden
- Kraiburg TPE
- Kraton Polymers
- Kuraray Europe
- PolyOne Th. Bergmann
- Resitech Germany
- SKZ
- SKZ
- SKZ
- SKZ
- TSRC
- TSRC
- Teknor Apex
- United Soft Plastics
- wdk

Mailing list: Participants

- Bada
- Buss
- Celanese
- Ch. Hollbeck
- Covestro
- Dr. Gupta Verlag
- Evonik
- Hexpol
- IPF
- Kraiburg TPE
- Lubrizol

Lyondell Basell Deutschland
M-Base
Kraiburg TPE
Melitek
Teknor Apex
Teknor Apex
Ravago

Minutes: [REDACTED] (SKZ)

Topic

1. Welcome Address and Introduction of New Participants

[REDACTED] (1st speaker of the TPE-Forum) welcomes all attendees. All new participants are asked to introduce themselves. No objections against their participation in the TPE-Forum were raised. [REDACTED] points out the importance of the Code of Conduct and asks all participants to act in full compliance with it.

2. FSKZ Network & TPE conference

[REDACTED] (responsible at SKZ for organization of TPE conference in 2020) explains the importance of the SKZ network and hands out the network brochures. All participants are invited to become new members of the FSKZ. For further information please contact [REDACTED].

The current program of the TPE conference 23.-24. June 2020 in Nuremberg is shown and all participants are asked to think about their participation in the exhibition.

3. Open Points / Activities from Last Meeting

No open points remained from last meeting.

4. Homepage & Public Relations

[REDACTED] informs that the translation of all web contents to English is still ongoing. For any proposals regarding the homepage please contact Mrs. [REDACTED]. It would be interesting to share the website statistics on the website (number of clicks, ...) at the next meeting.

5. Standardization of TPE

Changes in DIN EN ISO 18064: The responsible DIN committee has met already and started their work. Further participants are welcome.

A successor for [REDACTED] is not yet found. Thus, it is planned to influence the international standardization by the DIN committee.

6. Definition of TPE

In the context of standardization, a discussion is started on the definition of TPE. The following points are regarded as important by some members:

- Multi-phase systems
- Resilience, possibly tension set
- Modulus
- Minimum elongation

However, no final agreement of all members was found during the discussion.

██████████ explains that physical or mechanical product properties are not supposed to be a part of ISO 18064 as this norm only deals with the nomenclature of TPE. Thus, other definitions depending on any properties should be specified in the corresponding product standards. The idea is, to consider whether it is worth to frame the TPE in a guide line to cover the essential property profile of a TPE.

7. **CAMPUS**

Mr. ██████████ informs that the implementation of TPU, TPC and TPA data into the existing database by M-Base is still in progress. Currently, product data are collected by the manufacturers. A next meeting with the M-Base IT specialists will be held in March 2020. It is planned to launch the database after that meeting so that probably by the midst of 2020 the available data will be online.

For TPS and TPV there is still need for explanation with the M-Base specialists. A meeting will be planned in the near future. All interested parties should contact Mr. ██████████ for further planning.

8. **Review on the activities of the TPE-Forum**

Mr. ██████████ gives a short summary on the main advances and activities of the TPE-Forum during the last years since its foundation in 2016. Though some the topics still are ongoing, some of the main achievements are:

- Design of several advertising materials including e.g. logo, homepage, leaflet
- Progresses in standardization
- Implementation of TPE in the CAMPUS database
- Organization of the TPE conference by a central committee
- Creation of new training programs
- Start of new research projects

In regards of the short time, these are great progresses on the way to promote TPE and establish them as a separate class of plastics. Mr. ██████████ thanks all participants and active players for their commitment.

9. **Further activities in the TPE-Forum**

One of the main focusses of the TPE-Forum in the past was the standardization of TPE. However, these activities already started and will take time for many years in the installed work groups, so that it is supposed there is space for participation or input from the Forum expertise. All participants were asked to share their ideas on the future activities within the TPE-Forum. The following ideas and comments were collected in a brainstorming session:

- Sustainability of TPE, recycling, LCA
A policy statement from the TPE-Forum regarding the sustainability of TPE would be desirable. ██████████ points out that the WDK already is

very active in this area. Some of their activities in this area may be found on their homepage under <https://www.wdk.de/nachhaltigkeit-unterseite-von-positionen>

A brochure of the WDK on this topic is also attached to this protocol. Thus, a cooperation of the TPE-Forum with the WDK experts on this field would be highly recommendable.

- Explain the special properties and possibilities of TPE to unaware plastic specialists and designers
One idea might be to integrate TPE in the technology days or the network day at SKZ.
- Composal of material which may be distributed e.g. in schools etc. that shows possibilities and limits of TPE
- Create/increase the network around the TPE-Forum e.g. by meeting other networks, exchange information etc.
- Participate in classical rubber events
- TPE street at the K show
=> all participants are asked to check the opinions of their companies on this point and give a feedback at the next meeting
- Visit local, small exhibitions and give presentations on TPE
- Finalize standardization
- Expand the content on the homepage, e.g. by presenting some articles, reviews and research papers or slide shows on TPE
- Determine the needs for further research activities
- The main goal of the TPE-Forum of course will remain the promotion of TPE and the establishment of TPE as a separate class of plastics.

All members are asked to think about these or further topics and share their opinions during the next meeting.

10. TPE Conferences

The next TPE conference will be organized by SKZ and take place in Nuremberg at 24.-25. June 2020 at the Karl-Bröger-Zentrum. All participants are asked to spread the invitations. If further "save-the-date"-cards are needed please contact SKZ.

11. (Re-)Election of the Speakers

██████████ informs that it was agreed in the beginning of the TPE-Forum to elect the Forum speakers for a period of approx. three years. Thus, the election will be planned for the next meeting. All participants are invited to think if they could be up for election, too.

12. Next Meeting

The next meeting will be held on June 23, 2020, starting probably 15:00 in Nuremberg right before the TPE conference. Further information will be sent in time before the meeting.

To-Do-List

No.	What	Who	When
1.	Translate homepage to English	Dr. Gupta-Verlag	asap
2.	Check participation in DIN committee for re-design of DIN EN ISO 18064	All members	asap
3.	Identify future topics of interest for the TPE-Forum	All members	Next meeting
4.	Participation in CAMPUS meetings	All members	asap
5.	Check and collect ideas on future main activities of the TPE-Forum	All members	Next meeting
6.	Spread invitations for the next TPE conference	All members	asap