

High-Speed RTM Matrices

5th Workgroup Meeting

WHAT HAPPENED SO FAR?

- Development of a model material data sheet for every process participant (material supplier, designer, machine/tool manufacturer, part manufacturer,...) and as a first election tool
- The objective was to find out the right balance in the detail level and to define the best appropriate test methods
- 26 properties as general information, information of the cured resin and material process properties were elected
- Workshop and voting about further RTM topics and a roadmap of structural thermoset parts

MEETING DETAILS

WHEN?

Wednesday, 10:00 – 15:00
 (15:15-16:30: Optional Session on composite business cases)

February 07th, 2018

WHERE?

RWTH International Academy
 Ground Floor

Cluster der Produktionstechnik
 Campus-Boulevard 30
 52074 Aachen, Germany

YOUR CONTACT

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REGISTRATION

Registration for AZL Partner Companies via Partner Section:

https://login.azl-aachen-gmbh.de/dates/203_2017-09-26/

Road Map of the Workgroup:



SCOPE OF THIS WORKGROUP

- Giving feedback of interviews of exclusive Tier1 and OEMs about the Model Material Data Sheet
- Request for further material data activities, e.g. uniform resin data base for a composite pre-selection
- Introduction of the voted topic sandwich construction and giving latest market information about continuous thermoset composites, backed by a series of impulse presentations

AGENDA

10:00 Welcome

10:10 Feedbacks to the Model Material Data Sheet

- Offer and demand - Developed Model Material Data Sheet (S. Schmitt)

10:30 Data and Information System – Keynote Presentation and Discussion

Experiences of a public material data system (M-Base, Dr. E. Baur)

- Standard structure for data/information - why?
- Experiences and benefits of developed data bases

11:45 Workgroup RTM – Résumé (S. Schmitt)

12:00 Business Lunch

12:30 Roadmap Thermoset Composites – WG-Activities

- Market news, RTM competitive technologies and roadmap introduction: Preforming, prepreg materials, sandwich constructions (S. Schmitt)

Impulse presentations

- **Towpregs with fast curing resin systems** (SGL epo, Dr. M. Wezstein)
- **Tbd** (Compositence GmbH, T. Dobiasch)
- **Innovative process chains for efficient lightweight production** (KTM Technologies, M. Rawa)
- **Tbd** (BMW, D. Metzger, Dr. T. Henke)
- **Economic Production of Thermoset Composite Parts in Small and Medium Series** (IKV, M. Ophüls)

14:15 Coffee Break

14:30 Final Discussion and Outline

15:00 End of the Workgroup Meeting

15:15 Optional: Web Conference for Composite Business Cases

#7: RTM Leaf Spring | #8: Aircraft Trolley | #9: to be defined

This web conference session on three Composite Business Cases is part of the Business Partner activities. During the conference, market numbers and facts and figures are presented on the components, process chains for the corresponding production as well as the resources, process cost structure and cost drivers are analyzed. As we will discuss also one RTM case, we invite all participants of this workgroup meeting to join the session live on site in addition to the participants dialing in.

16:30 End of Web Conference