



Industry Research Groups

Meltspinning and Nanotechnology

Innovations based on understanding



The Industry Research Groups (IRG) are cooperations between companies, which are interested in basic research on application-related topics, and the ITA. The idea is to systematically address technological, economical and strategic issues in the field of Meltspinning and Nanotechnology

Topics

Basic research formed by the industry at regular dated stakeholder meetings to address the needs of the IRG.

There are two IRGs

- Meltspinning Modeling of meltspinning processes ▶
- Nanotechnology Particle modification for enhanced functionalisation

Competency

- Investigation and modification of materials
- Melt spinning
- Yarn processing
- Analytics

Confidentiality

Research results will be kept confidential and only made available to members of the IRG

Members

The members represent important industry sectors, as for example:

- Materialproducers
- Fiber producer
- Plant engineers
- Manufacturers of plant components (from nozzle to winder)
- Manufacturers of measurement technology

Cost

Annual membership fee amounts to € 7.500, - per year including:

- Research results summarized in reports
- Participation in stakeholder meetings (every 6 month)
 - Presentation of research results
 - Influence of development of new technologies

Benefits for IRG Members

Research

- Topics are geared to needs of IRG Members
- Access to in-depth technical knowledge
- Active participation in development of new technologies
- Independence of daily business
- Improved understanding in IRG topic

Market

- Generating a technological lead
- Gain of sustainable competitive advantages
- Early establishment of technologies in practice

Network

- Extensive information exchange between IRG Members
- Expansion of own network to other companies and young scientists

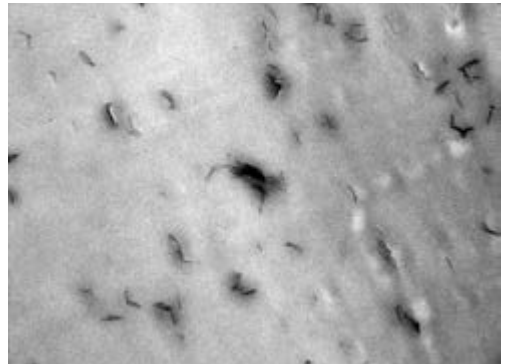


Figure 1: TEM image of organo clays in Nylon 6

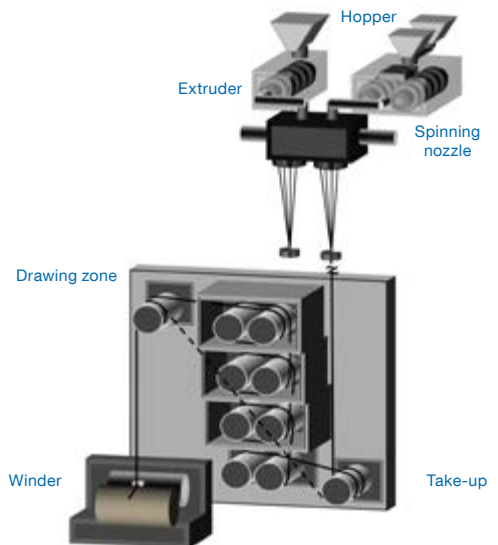


Figure 2: Meltspinning line

Information regarding confidentiality agreements and general participation conditions can be withdrawn from the proposal offered by the ITA and ITA GmbH.

Contact



Photo: Jörg Stanzeck

For interest in participating as a member in the IRG, please contact us.

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