

Continuous fibre-reinforced thermoplastics" working group

Network [AVK working group]

About this organisation

Machine translation

This organisation has been machine-translated based on data provided in German.

Working group & project group consisting of OEMs and raw material manufacturers and suppliers, including Arkema, BASF, Covestro, Dupont, Evonik, IVW, Lanxess/Bond Laminates, Sabic and Tencate.

The aim of the working group is to establish continuous fibre-reinforced thermoplastics in the automotive sector. A project group has currently been set up to deal with the efficient, robust and uniform characterisation of continuous fibre-reinforced thermoplastics and their transfer to standards.

Am Hauptbahnhof 10
60329 Frankfurt am Main
Hesse
Germany
www.avk-tv.de



Organisation type
Cluster

Sector
A small black icon of a car, representing the automotive sector.

Employees
10 up to 49

Turnover
n/a

Funding
n/a



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About this organisation

Main areas covered	Research, Development, Standardisation, Project work, Network
Infrastructure	on request
Certifications	
Keywords	Continuous fibre-reinforced thermoplastics, Tapes, Organosheets
Memberships	

Overview of lightweighting expertise

Machine translation

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	Research	Development	Manufacturing & Supply
Offer			
Products Parts and components, Semi-finished parts, Software & databases, Systems and end products, Materials	✓	✓	✓
Services & consulting Consulting, Testing and trials, Standardisation, Validation	✓	✓	✓

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	Research	Development	Manufacturing & Supply
Field of technology			
<i>Design & layout</i>			
<i>Functional integration</i>			
Measuring and testing technology Component and part analysis, Visual analysis (e.g. microscopy, metallography), Materials analysis, Destructive analysis, Non-destructive analysis	✓	✓	✓
Modelling and simulation Crash behaviour, Loads & stress, Processes, Materials	✓	✓	✓
<i>Plant construction & automation</i>			
<i>Recycling technologies</i>			
Manufacturing process			
<i>Additive manufacturing</i>			
<i>Coating (surface engineering)</i>			
<i>Fibre composite technology</i>			
Forming Thermal converting		✓	✓
<i>Joining</i>			
<i>Material property alteration</i>			
Primary forming Injection moulding		✓	✓
<i>Processing and separating</i>			
<i>Textile technology</i>			

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	Research	Development	Manufacturing & Supply
Material			
<i>Biogenic materials</i>			
<i>Cellular materials (foam materials)</i>			
Composites Glass-fiber reinforced plastics (GFRP), Carbon-fiber reinforced plastics (CFRP)		✓	✓
Fibres Glass fibres, Carbon fibres		✓	✓
<i>Functional materials</i>			
<i>Metals</i>			
<i>Plastics</i>			
<i>Structural ceramics</i>			
<i>(Technical) textiles</i>			

Contacts

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Contacts

Mr Dr. Elmar Witten

Industry contact, GF

elmar.witten@avk-tv.de