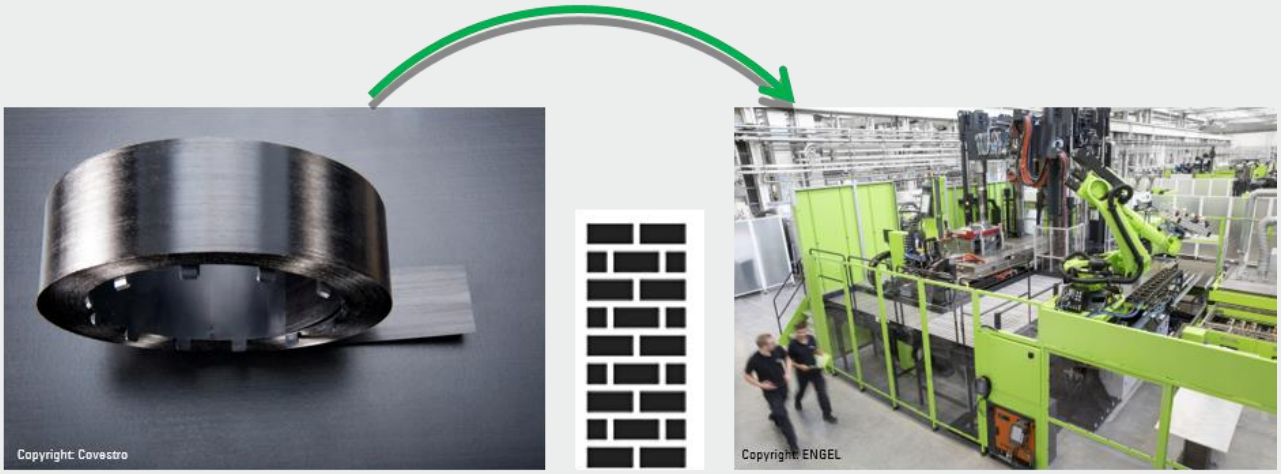
AZL Aachen GmbH in cooperation with

AZL Aachener Zentrum für integrativen Leichtbau

RWTH AACHEN UNIVERSITY

INSTITUT FÜR KUNSTSTOFFVERARBEITUNG
IN INDUSTRIE UND HANDWERK AN DER RWTH AACHEN



Potentials and Challenges of Thermoplastic Tapes for SME Injection Molders

Joint Market and Technology Study

OBJECTIVE OF THE STUDY

Using thermoplastic tapes as local reinforcements enables efficient material usage and improved properties of injection molded parts: As local reinforcements, tapes allow for increased stiffness and strength, cost savings, higher surface hardness or enhanced optics. Small and medium-sized injection molders in particular can achieve great advantages from tapes.

The AZL and the IKV are jointly developing scenarios with companies on how thermoplastic tapes can be increasingly used in the production of injection molded parts. Technological aspects as well as use cases will be addressed.

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SCOPE AND BENEFIT OF THE STUDY

The study will

- support the understanding of thermoplastic tapes in the injection molders base,
- systematically identify injection molding applications that are particularly suitable for being optimized with the use of thermoplastic tapes, focus is particularly on conventional injection molded parts and
- provide an extensive documentation of the state of the art methodologies and technologies for the development and the production of parts

PARTICIPATION FEE

Small companies	(<10 employees):	5,000 Euro
Medium-sized companies	(<50 employees):	7,500 Euro
Large companies	(<500 employees):	10,500 Euro
Very large companies	(>500 employees):	12,500 Euro

SELECTED PARTNERS

BASF We create chemistry · BOREALIS Keep Discovering · ENGEL · HUESKER Ideen. Ingenieure. Innovationen. · MARUHACHI · Mitsui Chemicals Group · SAINT-GOBAIN · SAKURA TECH · simcon SUPPLYING SOLUTIONS

+ anonymous partners

YOUR IKV AND AZL EXPERTS

In mobilizing the injection molding and composite community the AZL and IKV draw on their strong networks of **more than 370 companies** in total covering the entire value chain from material suppliers and system and tool manufactures, over molders to OEMs. The AZL and IKV both have a strong background in developing a market overview and a profound technological insight into composite processes, materials and applications.

INSTITUT FÜR KUNSTSTOFFVERARBEITUNG IN INDUSTRIE UND HANDWERK AN DER RWTH AACHEN · AZL Aachener Zentrum für integrativen Leichtbau · RWTH AACHEN UNIVERSITY · AZL Aachen GmbH

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