

# BREYER



*composites*

## Reinforcement makes sense

*BREYER TapeFlex* extrusion line  
for unidirectionally fiber-reinforced  
thermoplastic tapes

[www.breyer-composites.com](http://www.breyer-composites.com)

**TapeFlex**

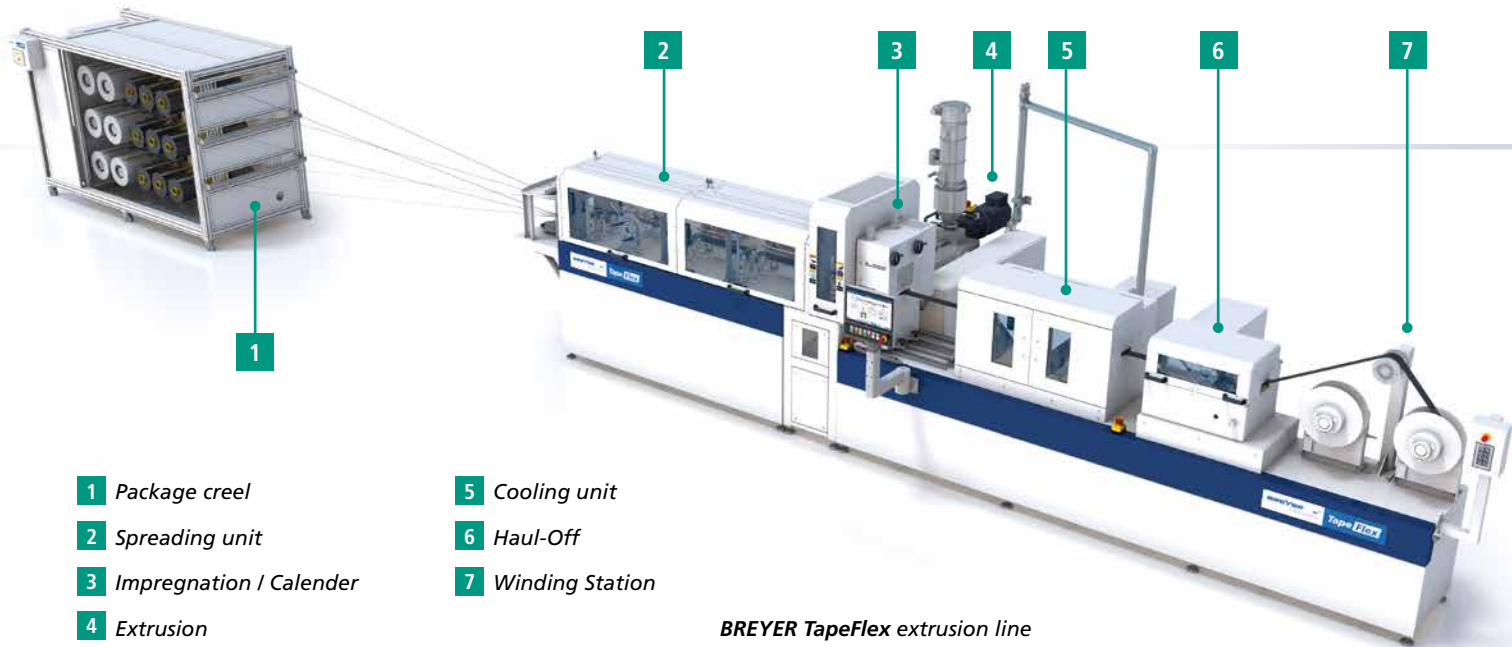
# **BREYER TapeFlex – Extrusion line** for unidirectionally fiber-reinforced thermoplastic tapes

**Composites** possess a wide range of excellent characteristics. Great weight saving while at the same time extreme stability enables the growing use in aerospace, vehicle and leisure industry. Fiber-reinforced thermoplastic tapes provide reinforcement where the stress is particularly high. They can be produced in various material combinations and are particularly flexible in use.

The new **BREYER TapeFlex** extrusion line offers everything you need for the production of high-quality fiber-reinforced thermoplastic tapes.



*Versatile applications for mobile and stationary applications, which are exposed to extreme stress.*



**1** Package creel

**2** Spreading unit

**3** Impregnation / Calender

**4** Extrusion

**5** Cooling unit

**6** Haul-Off

**7** Winding Station

**BREYER TapeFlex** extrusion line

## **BREYER offers you the complete extrusion line for economical tape production:**

- Package creel
- Spreading unit
- Impregnating tool
- Extruder
- Calender
- Cooling section
- Winder

## **TECHNICAL DATA**

Width of the tape: 75 mm, 240 mm and 600 mm  
(other widths on request)

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Thickness of the tape: 100 µm – 350 µm

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Matrix Material: PA, PP, ASA  
(other materials on request)

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Fiber Material: Carbon, Glass, Aramid & Natural Fibers

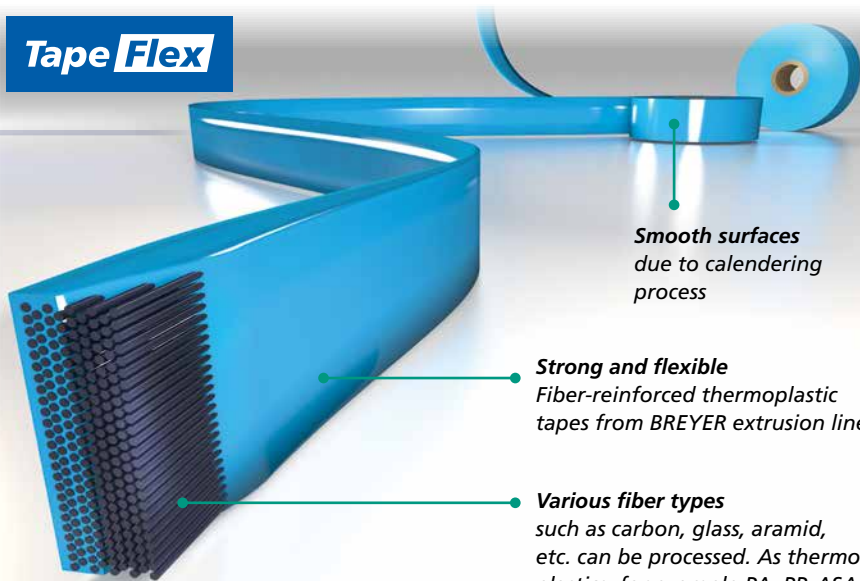
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Line Speed: up to 12 m/min

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We optionally offer fiber distribution and spreading,  
tape accumulator and optical analytic systems.

# Tape Flex



*Smooth surfaces  
due to calendering  
process*

**Strong and flexible**  
*Fiber-reinforced thermoplastic  
tapes from BREYER extrusion lines*

**Various fiber types**  
*such as carbon, glass, aramid,  
etc. can be processed. As thermo-  
plastics, for example PA, PP, ASA  
can be used.*

## Dimensions

Width: 75 – 600 mm

Thickness: 100 – 350  $\mu$ m



## Your Benefits

- Processing of various thermoplastics possible
- Evenly spread fiber
- Homogenous fiber embedding
- Intensive impregnation of fibers with melt
- Smooth surfaces due to calendering process

# BREYER



## composites



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**Tape Flex**