

# TECHNYL<sup>®</sup> LITE

## Thermoplastic composites



A polyamide-based unidirectional (UD) composite tape that takes lightweight performance in a new direction for automotive, sports and leisure, and construction applications



Lightweight

### MAIN BENEFITS

- **Weight reduction** thanks to **low density** and **extreme rigidity** and toughness
- High **anisotropy**
- Massive **warpage reduction**
- Up to **70% glass** or **60% carbon fiber**
- **Easy processing**
- Excellent **retention** of part performance
- **Reduced CO<sub>2</sub> footprint**
- **Fully recyclable**, as a thermoplastic material

### MARKETS



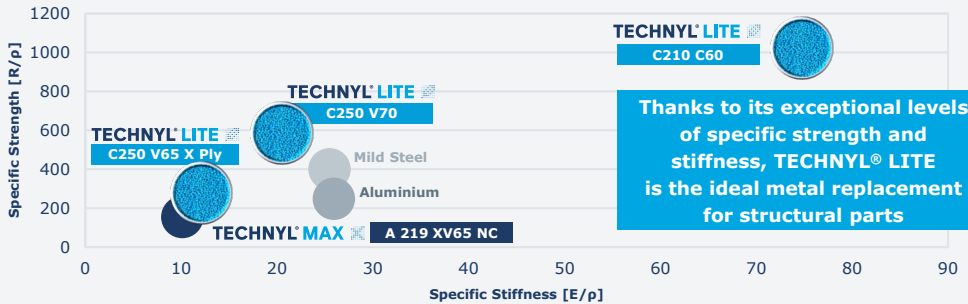
AUTOMOTIVE



SPORTS & LEISURE



BUILDING & CONSTRUCTION



Thanks to its exceptional levels of specific strength and stiffness, **TECHNYL<sup>®</sup> LITE** is the ideal metal replacement for structural parts

### KEY APPLICATIONS



# TECHNYL® LITE

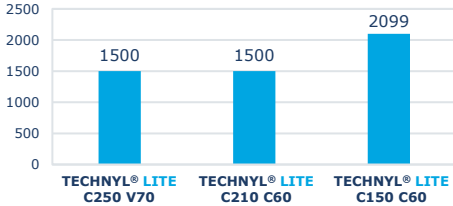
## Thermoplastic composites



### PROOF POINTS

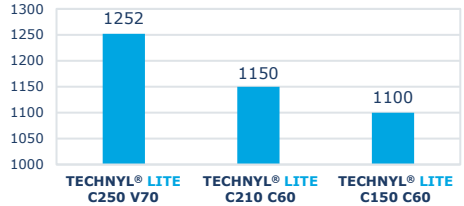
#### Tensile Strength 0°

DIN ISO 527 -4/5 @ 23°C and 50% rel humidity



#### Bending Strength 0°

DIN EN ISO 14125 @ 23°C and 50% rel humidity

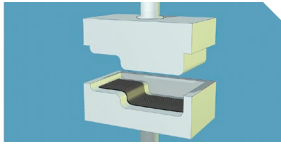


The grades are available in **different widths up to 104 mm**.

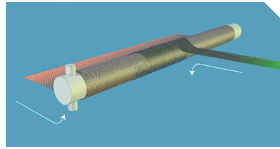
The product can be provided as a slit or non-slit variant depending on customer needs.

### PROCESSING TECHNOLOGIES

#### OVERMOLDING



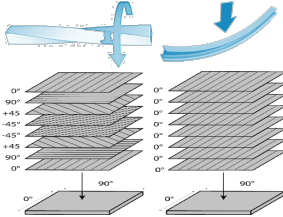
#### WINDING



Combining high speed with multidirectional strength

#### TORSION

#### BENDING



Local **reinforcement of injection molded parts**

- Geometry adjustable by **thickness and width**
- **Matching injection-molded TECHNYL®** grades for overmolding applications

### KEY PRODUCTS



Glass Fiber Reinforced 60-65-70%

**TECHNYL® LITE** C250 V60 (250 µm)

**TECHNYL® LITE** C250 V65 (250 µm)

**TECHNYL® LITE** C250 V70 (250 µm)



Carbon Fiber Reinforced 60%

**TECHNYL® LITE** C130 C60 (130 µm)

**TECHNYL® LITE** C210 C60 (210 µm)

**TECHNYL® LITE** C150 C60 (150 µm)

**TECHNYL® IS EXCLUSIVELY PRODUCED AND COMMERCIALIZED BY DOMO WORLDWIDE**

# DOMO

 [www.domochemicals.com](http://www.domochemicals.com)  

caring  
is our formula