

**Technical Datasheet**

# UMT430-12K-EP

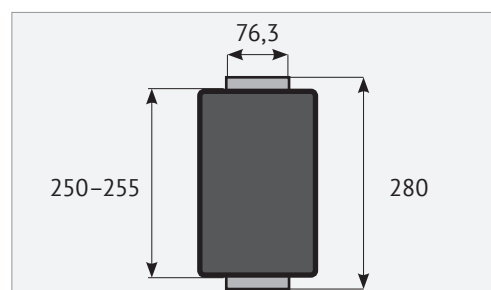
Carbon fibre produced from polyacrylonitrile precursor. It features high tensile modulus so it can be used in various industrial applications including certain specific applications for high modulus fibre.

**Typical Carbon Fiber Properties**

Tensile strength	4.5 GPa
Tensile modulus	430 GPa
Elongation at break	1 %
Linear density	700 tex
Density	1.84 g/cm <sup>3</sup>
Carbon content	More than 95 %
Sizing <sup>1</sup>	EP
Sizing content <sup>2</sup>	0.8–1.5 %

**Bobbin Properties**

Bobbin weight <sup>3</sup>	1 kg
Length of fiber on bobbin	1500 m
Bobbin diameter with coiled fiber	250–255 mm
Height of fiber on bobbin	120 mm
Spool height	280 mm
Spool diameter	76.3 mm



<sup>1</sup> CF can be produced with VE finish (compatible with vinyl ester resins).

<sup>2</sup> The sizing content (from 0.5%) and type can be varied based on customer's request.

<sup>3</sup> 0.5 kg, 1.5 kg, 2 kg bobbins are available on request (may affect the price depending on the volume of the non-standard package batch).

**Packaging**

Carbon fiber is wound untwisted onto cardboard spool, sealed with heat shrunk PE or PVC foil and placed in cardboard box.

**Certification**

The products are produced in full compliance with ISO 9001-certified Quality Management System.