

**Technical Datasheet**

# UMT40-48K-EP

High strength and standard tensile modulus continuous carbon fibre based on polyacrylonitrile precursor used in various branches of industry.

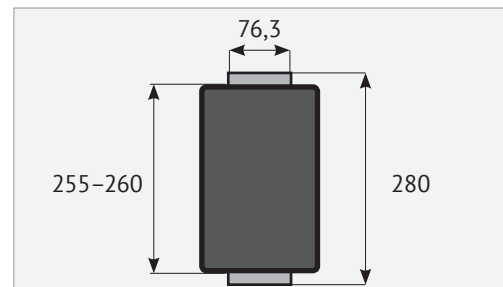
**Typical Carbon Fiber Properties**

Tensile strength	4.0 GPa
Tensile modulus	250 GPa
Elongation at break	1.5 %
Linear density	3100 tex
Density	1.78 g/cm <sup>3</sup>
Carbon content	More than 95 %
Sizing <sup>1</sup>	EP
Sizing content <sup>2</sup>	1.0–1.9 %



**Bobbin Properties**

Bobbin weight <sup>3</sup>	6 kg
Length of fiber on bobbin	1950 m
Bobbin diameter with coiled fiber	255–260 mm
Height of fiber on bobbin	190 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 0.8%) and type can be varied based on customer's request.

<sup>3</sup> 4 kg, 8 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.