

## Technical Datasheet

### UMT400-12K-EP

UMT400-12K-EP is a polyacriolonitrile (PAN) based carbon fiber. UMT400-12K-EP has high modulus which allows the Customer using in many industrial composite applications, including special fields of application high modulus carbon fiber.

#### Typical Carbon Fiber Properties

Tensile Strength	4.5 GPa
Tensile Modulus	400 GPa
Elongation at break	1.0 %
Density	1.82 g/cm <sup>3</sup>
Carbon Content	>99 %
Linear density	720 tex

#### Sizing

UMT400-12K-EP sizing is compatible with epoxy resin systems. Typical sizing content is between 1.0-1.5%\*.

\* - The sizing content (from 0.5 %) and type can be varied based on customer's request.

#### Packaging

UMT400-12K-EP is wound without twist on a 76.3 mm x 280 mm (3" x 11") cardboard spool, sealed with heat shrunk PE or PVC foil and placed in cardboard box.

Typical Parameter	Value	
Fiber count	12 000	0.5 kg, 1.5 kg, 2 kg spools are available on request (may influence the price depending on the volume of the non-standard package batch)
Spool length (m)	1 300	
Spool weight (kg)	0.9	

#### Certification

The goods are produced under control of a QA/QC system certified against the requirements of the ISO 9001 standard.

#### Safety

Material Safety Data Sheet (MSDS) is presented with the first shipment. Please read it before the use of our products.