

Technical Datasheet

UMT42-50K-EP

UMT42-50K-EP is a polyacriolonitrile (PAN) based carbon fiber. UMT42-50K-EP has standard modulus and high strength which allows the Customer using in many industrial composite applications.

Typical Carbon Fiber Properties

Tensile Strength	4.2 GPa
Tensile Modulus	240 GPa
Elongation at break	1.6 %
Density	1.78 g/cm ³
Carbon Content	>95 %
Linear density	3300 Tex

Sizing

UMT42-50K-EP sizing is compatible with epoxy resin systems. Typical sizing content is between 1.0-1.7%*.

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

Packaging

UMT42-50K-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 (K)	50 000	6 kg, 6.6 kg spools are available on request (may influence the price depending on the volume of the non-standard package batch)
Spool length (m)	2 400	
Spool weight (kg)	8	

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.