

Technical Datasheet

UMT45-24K-EP

UMT45-24K-EP is a polyacrylonitrile (PAN) based carbon fiber. UMT45-24K-EP has standard modulus and high strength which allows the Customer using in many industrial composite applications.

Typical Carbon Fiber Properties

Tensile Strength	4.5 GPa
Tensile Modulus	260 GPa
Elongation at break	1.7 %
Density	1.78 g/cm ³
Carbon content	>95 %
Linear density (24K)	1600 Tex

Sizing

UMT45-24K-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

UMT45-24K-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	1kg, 2kg, 5-7kg spools are available on request (may influence the price depending on the volume of the non-standard package batch)
Fiber count (K)	24 000	
Spool length (m)	2 500	
Spool weight (kg)	4	

Certification

Our products are manufactured under quality management system ISO 9001. A Certificate is furnished along with the shipment.

Safety

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