

| Brand name | Tenax® | |
|--|----------------------|----------------------|
| Production site | J | J |
| Product designation | UMS40 F23 24K 800tex | UMS45 F22 12K 385tex |
| Sizing properties | F23 | F22 |
| Number of filaments | 24.000 | 12.000 |
| Nominal linear density ¹⁾ [tex] | 800 | 385 |
| Twist [t/m] | 0 | 0 |
| Running length per kg [m/kg] | 1250 | 2600 |
| Package weight, net [kg] | ca. 2 | 1 |

1) without sizing

Characteristics (typical values)

| | | |
|------------------------------|------|------|
| Filament diameter [μm] | 4,8 | 4,7 |
| Density [g/cm ³] | 1,79 | 1,81 |
| Tensile strength [MPa] | 4560 | 4500 |
| Tensile modulus [GPa] | 395 | 430 |
| Elongation at break [%] | 1,1 | 1,1 |

Sizing properties for fiber family UMS

UMS „Ultra High Modulus“ is a high-end carbon fiber for speciality applications where superior stiffness is necessary to fulfil the set requirements.

F22 = Type with ca. 0,8 % sizing based on polyurethane

F23 = Type with ca. 1,0 % sizing based on polyurethane

Please contact our sales team any time for choosing the right type. The stated numbers are typical values. For design purposes please request fiber specification.

Please note the application (aerospace or industry & sports) on your order.

The export or transfer of carbon fibers can be subject to authorization, depending on end-use and final destination.