

Brand name		Tenax®
Production site		J
Product designation		UTS50 F22 12K 800tex S
Sizing properties		F22
Number of filaments		12000
Nominal linear density ¹⁾	[tex]	800
Twist	[t/m]	0
Running length per kg	[m/kg]	1250

1) without sizing

Characteristics (typical values)

Filament diameter	[μm]	7
Density	[g/cm ³]	1.77
Tensile strength	[MPa]	5000
Tensile modulus	[GPa]	240
Elongation at break	[%]	2.1

Sizing properties for fiber family UTS

UTS is a ultra high tenacity (UT) fiber for speciality requirements on high tensile strength and increased elongation at break.

F22 = Type with ca. 0.9 % 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.