

Brand name		Tenax®	Tenax®
Production site		J	J
Product designation		UTS50 F13 12K 800tex	UTS50 F24 24K 1600tex D
Sizing properties		F13	F24
Number of filaments		12.000	24.000
Nominal linear density ¹⁾	[tex]	800	1600
Twist	[t/m]	0	0
Running length per kg	[m/kg]	1250	625
Package weight, net	[kg]	2 / 4 / 6	4

1) without sizing

Characteristics (typical values)

Filament diameter	[µm]	7	7
Density	[g/cm ³]	1,79	1,79
Tensile strength	[MPa]	4800	5000
Tensile modulus	[GPa]	240	245
Elongation at break	[%]	2,0	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.

F13 = Type with ca. 1,0 % sizing based on polyurethane

F24 = Type with ca. 1,6 % 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.