

Brand name		Tenax®	Tenax®	Tenax®
Production site		J	J / E	J / E
Fiber family & tensile properties		HTA40	HTA40	HTA40
Sizing properties		F15 / H15	E13	E13
Number of filaments		1K	3K	6K
Nominal linear density ¹⁾	[tex]	67	200	400
Twist	[t/m]	15S	0/15Z	0/10Z
Running length per kg	[m/kg]	15000	5000	2500
Package weight, net	[kg]	0,2 • 0,5	1,0 • 2,0	2,0 • 4,0

1) ohne Präparationsauftrag

Characteristics (typical values)

Filament diameter	[µm]	7
Density	[g/cm ³]	1,76
Tensile strength	[MPa]	3950
Tensile modulus	[GPa]	238
Elongation at break	[%]	1,7
Specific heat capacity	[J/kgK]	710
Thermal conductivity	[W/mK]	10
Coefficient of thermal expansion [[10 ⁻⁶ /K]	-0,1
Specific electrical resistance	[Ω cm]	1,6 x 10 ⁻³

Sizing properties for fiber family **HTA**

HTA is a classic Tenax® high performance carbon fiber. The high tenacity (HT) fibers provide excellent mechanical laminate properties.

F15 = Type with ca. 2,5 % sizing based on polyurethane

H15 = Type with ca. 2,5 % sizing based on epoxy resin

E13 = Type with ca. 1,3 % sizing based on epoxy resin

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.