

Brand name	Production site	Fiber family & tensile properties	Sizing properties	Number of filaments	Nominal linear density (without sizing)	Additional information	Tensile strength [MPa]	Tensile modulus [GPa]	Elongation at break [%]	Filament diameter [µm]	Density [g/cm³]	Sizing	Size level [%]
Tenax®-J	HTA40	H15	1K	67tex	15S		3950	238	1.7	7.0	1.76	EP	2.5
Tenax®-J	HTA40	F15	1K	67tex	15S		3950	238	1.7	7.0	1.76	PU	2.5
Tenax®-J/E	HTA40	E13	3K	200tex			3950	238	1.7	7.0	1.76	EP	1.3
Tenax®-E	HTA40	E13	3K	200tex	15Z		3950	238	1.7	7.0	1.76	EP	1.3
Tenax®-J/E	HTA40	E13	6K	400tex			3950	238	1.7	7.0	1.76	EP	1.3
Tenax®-E	HTA40	E13	6K	400tex	10Z		3950	238	1.7	7.0	1.76	EP	1.3
Tenax®-E	HTS40	F13	12K	800tex			4300	240	1.8	7.0	1.77	PU	1.0
Tenax®-E	HTS40	F13	12K	800tex	10Z		4300	240	1.8	7.0	1.77	PU	1.0
Tenax®-E	HTS40	F13	24K	1600tex			4300	240	1.8	7.0	1.77	PU	1.0
Tenax®-E	HTS40	F13	24K	1600tex	5Z		4300	240	1.8	7.0	1.77	PU	1.0
Tenax®-E	HTS45	E23	12K	800tex			4500	240	1.8	7.0	1.77	EP	1.3
Tenax®-J/E	STS40	F13	24K	1600tex			4000	240	1.7	7.0	1.77	PU	1.0
Tenax®-J/E	STS40	F13	48K	3200tex	CP		4000	250	1.6	7.0	1.77	PU	1.0
Tenax®-J	UTS50	F13	12K	800tex			4800	240	2.0	7.0	1.79	PU	1.0
Tenax®-J	UTS50	F24	24K	1600tex	D		5000	245	2.1	7.0	1.79	PU	1.6
Tenax®-J	IMS60	E13	24K	830tex			5700	290	1.9	5.0	1.80	EP	1.3
Tenax®-E	IMS65	E23	24K	830tex			6000	290	1.9	5.0	1.78	EP	1.3
Tenax®-J	UMS40	F23	24K	800tex			4600	395	1.2	4.8	1.79	PU	1.0
Tenax®-J	UMS45	F22	12K	385tex			4600	430	1.1	4.7	1.81	PU	0.8
Tenax®-J	HTS40	A23	12K	1420tex	MC		2750	215	1.2	7.5 *	2.70	PU	1.3

* incl. 0.25 µm Nickel

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

Cylindrical bobbins

		Tenax®-J		Tenax®-E
Tube length	[mm]	182	280	290
Tube internal diameter	[mm]	77	77	77
Tube weight	[g]	110	160	190
Stroke	[mm]	152	254	254

Net weight	[kg]	0.2	0.5	1.0	2.0	4.0	6.0	8.0	10.0
External diameter (typical value)	[mm]	90	105	120	145	180	205	225	245

Standard packaging (bobbins per box)

Net weight	[kg]	0.2	0.5	1.0	2.0	4.0	6.0	8.0	10.0
Tenax®-J		36	20/24	20	12	6	6	-	4
Tenax®-E		-	-	16	11/12	6	6	3	-
Tenax®-J		-	-	-	-	-	75	60	54

Box dimensions

	Bobbin weight [kg]	(L x B x H) [mm]			
Tenax®-J	4.0	560	x	405	x 320
	0.2 • 0.5 • 1.0 • 2.0 • 6.0	630	x	510	x 295
	6.0 • 8.0 • 10.0	1100	x	1200	x 1050
Tenax®-E	all bobbin weights	597	x	412	x 305