

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/cm ³]	Sizing	Size level [%]
Tenax™-J		HTA40	E15	1K	67tex	15S	4100	240	1.7	7.0	1.77	EP	2.5
Tenax™-E		HTA40	E13	3K	200tex		4100	240	1.7	7.0	1.77	EP	1.3
Tenax™-E		HTA40	E13	3K	200tex	15Z	4100	240	1.7	7.0	1.77	EP	1.3
Tenax™-J/E		HTA40	E13	6K	400tex		4100	240	1.7	7.0	1.77	EP	1.3
Tenax™-E		HTA40	E13	6K	400tex	10Z	4100	240	1.7	7.0	1.77	EP	1.3
Tenax™-J		HTS40	E13	3K	200tex		4400	240	1.8	7.0	1.77	EP	1.3
Tenax™-J		HTS40	E13	6K	400tex		4400	240	1.8	7.0	1.77	EP	1.3
Tenax™-E		HTS40	F13	12K	800tex		4400	240	1.8	7.0	1.77	PU	1.0
Tenax™-E		HTS40	F13	12K	800tex	10Z	4400	240	1.8	7.0	1.77	PU	1.0
Tenax™-E		HTS40	F13	24K	1600tex		4400	240	1.8	7.0	1.77	PU	1.0
Tenax™-E		HTS40	F13	24K	1600tex	5Z	4400	240	1.8	7.0	1.77	PU	1.0
Tenax™-E		HTS45	E23	3K	200tex		4500	245	1.8	7.0	1.76	EP	1.2
Tenax™-E		HTS45	E23	3K	200tex	15Z	4500	245	1.8	7.0	1.76	EP	1.2
Tenax™-E		HTS45	E23	12K	800tex		4500	240	1.9	7.0	1.77	EP	1.3
Tenax™-E		HTS45	E23	12K	800tex	10Z	4500	240	1.9	7.0	1.77	EP	1.3
Tenax™-E		HTS45	P12	12K	800tex		4500	240	1.9	7.0	1.77	TP	0.5
Tenax™-E		STS40	E23	24K	1600tex		4300	250	1.7	7.0	1.78	EP	1.3
Tenax™-E		STS40	F11	24K	1600tex		4300	240	1.8	7.0	1.78	PU	0.17
Tenax™-J/E		STS40	F13	24K	1600tex		4300	240	1.8	7.0	1.78	PU	1.0
Tenax™-J/E		STS40	F13	48K	3200tex		4300	250	1.7	7.0	1.77	PU	1.0
Tenax™-E		STS40	E23	48K	3200tex		4300	250	1.7	7.0	1.78	EP	1.0
Tenax™-J		UTS50	F13	12K	800tex		5100	245	2.1	7.0	1.78	PU	1.0
Tenax™-J		UTS50	F22	12K	800tex	S	5100	245	2.1	7.0	1.78	PU	0.8
Tenax™-J		UTS50	F24	24K	1600tex	DCP	5100	245	2.1	7.0	1.78	PU	2.0
Tenax™-E		UTS50	F24	24K	1600tex	D	5100	245	2.1	7.0	1.78	PU	2.0
Tenax™-E		ITS50	F23	24K	1600tex	D	5100	265	1.9	7.0	1.80	PU	1.0
Tenax™-E		ITS55	E23	24K	1600tex		5100	280	1.8	7.0	1.75	EP	1.2
Tenax™-J		IMS60	E13	24K	830tex		5800	290	2.0	5.0	1.79	EP	1.3
Tenax™-E		IMS65	E23	24K	830tex		6000	290	2.1	5.0	1.78	EP	1.3
Tenax™-E		IMS65	P12	24K	830tex		6000	290	2.1	5.0	1.78	TP	0.8
Tenax™-E		IMS6L	E23	24K	830tex		5900	280	2.1	5.0	1.80	EP	1.3
Tenax™-J		UMS40	F23	24K	800tex	S	4700	390	1.2	4.9	1.79	PU	1.0
Tenax™-J		UMS45	F22	12K	385tex		4600	425	1.1	4.7	1.83	PU	0.8
Tenax™-J		HTS40	A23	12K	1420tex	MC	2900	230	1.3	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.
- 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]	0.5	1.0	2.0	4.0	6.0	8.0	10.0
External diameter	[mm]	105	120	145	180	205	225	245

Bobbins per packaging		[kg]	0.5	1.0	2.0	4.0	6.0	8.0	10.0
Tenax™-J	carton	20/24	20	12	6	6	-	4	
	large packaging		-	-	-	75	60	54	

Tenax™-E	carton	-	16	11/12	6	6	3	-
	large packaging		-	150	90	69	60	-

Packaging (L x W x H)

Tenax™-J	carton	[mm]	640	x	520	x	290
	carton (4 kg)	[mm]	550	x	370	x	290
	carton (8 kg, 10 kg)	[mm]	570	x	570	x	290
	large packaging incl. palett	[mm]	1200	x	1100	x	1200

Tenax™-E	carton	[mm]	600	x	420	x	320
	large packaging incl. palett	[mm]	1000	x	1200	x	1040