

Tenax™ Short Fibers are significantly enhancing mechanical and electrical properties in thermoplastic and thermoset applications. Tenax™ Short Fibers are available in three forms: C-Series, P-Series and milled fibers.

Tenax™ Chopped Fibers (C-Series & P-Series)

For engineering plastics – thermoplastic applications

Suitable for general engineering plastics e.g., PC, PA, POM, PBT, ABS, PPO.

Product type	Type	Cut length	Sizing	Size level	Bulk density	Matrix resins
C-Series	HT C413	6 mm	PU	2.5 %	520 g/l	PC, PA, etc.
C-Series	HT C415	6 mm	PU	4.8 %	550 g/l	PC, PA, etc.
C-Series	HT C422	6 mm	PU	2.3 %	530 g/l	PC, PA, etc.
C-Series	HT C432	6 mm	PU	2.3 %	520 g/l	PC, PA, etc.
C-Series	HT C493	6 mm	PU	2.7 %	620 g/l	PC, PA, etc.
C-Series	HT C603	6 mm	PA	3.5 %	470 g/l	PA
C-Series	HT C604	6 mm	PA	4.2 %	400 g/l	PA
C-Series	HT C605	6 mm	PA	4.5 %	450 g/l	PA
C-Series	HT C606	6 mm	PA	6.0 %	440 g/l	PA
P-Series	HT P802	3 mm	PP	2.0 %	450 g/l	PP
P-Series	HT P303	3 mm	EP	2.7 %	400 g/l	PC, PA, etc.
P-Series	IM P303	3 mm	EP	2.7 %	390 g/l	PC, PA, etc.

For super engineering plastics

Suitable for high temperature process e.g. PEEK, PAEK, PI, PPS, LCP and high heat resist type such as PA12. Low outgassing under high temperature environment contributes to stable processing and higher mechanical properties of composite products.

Product type	Type	Cut length	Sizing	Size level	Bulk density	Matrix resins
C-Series	HT C702	6 mm	N/A	1.8 %	430 g/l	PEEK, PPS, etc.
C-Series	IM C702	6 mm	N/A	1.8 %	430 g/l	PEEK, PPS, etc.
P-Series	HT P722	3 mm	N/A	1.5 %	420 g/l	PEEK, PPS, etc.
P-Series	IM P742	3 mm	N/A	1.5 %	400 g/l	PEEK, PPS, etc.

Epoxy based for thermoset applications (paints, adhesives)

Suitable for thermoset resins. Designed to readily disperse into thermosetting systems under low shear mixing conditions like when used in paints, adhesives, coating, flooring, dry mixtures, flame retardants, etc.

Product type	Type	Cut length	Sizing	Size level	Bulk density
C-Series	HT C261	3 mm 6 mm	EP	1.3 %	380 g/l
C-Series	HT C205	6 mm	EP	5.3 %	470 g/l

For water based processes (paper, GDL, concrete reinforcement)

These water dispersible grades are designed for use in any water based slurry application, such as for paper or fleece.

Product type	Type	Cut length	Sizing	Size level	Bulk density
C-Series	HT C124	3 mm	water soluble	3.8 %	350 g/l
		6 mm			350 g/l
		12 mm			300 g/l
		25 mm			250 g/l
C-Series	HT C137	6 mm	water soluble	8.5 %	N/A

For extremely high electrical conductivity (nickel coated chopped fibers)

This type is evenly coated with nickel and provides high electrical conductivity and high EMI shielding effects.

Product type	Type	Cut length	Sizing	Size level	Bulk density
C-Series	HT C923	6 mm	Ni PU	0.25 µm 3.0 %	580 g/l

Tenax™ Milled Fibers

Tenax™ Milled Fibers are high-quality carbon fiber powders without any preparation.

Type	Bulk density
HT M100 40mu	N/A
HT M100 60mu	550 g/l
HT M100 100mu	400 g/l
HT M500 80mu	500 g/l
HT M510 80mu*	500 g/l
HT M800 160mu	100 g/l

* thermally removed former sizing agent

Packaging

20 kg / packaging

- Please contact our sales team any time, for choosing the right type. All data shown are typical values representative of the material and cannot be guaranteed. Specialties on request.
- The export or transfer of carbon fibers can be subject to authorization, depending on end-use and final destination.