

Product overview

Tenax™ and Tenax Next™ short fibers

Chopped, pelletized and milled carbon fibers



Chopped and pelletized carbon fibers

For engineering plastics – thermoplastic applications

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

Product type	Cut length [mm]	Sizing	Size level [%]	Bulk density [g/l]	Matrix resins	Filament diameter [μm]
HT C493	6	PU	2.7	620	PC, PA, etc.	7.0
HT C604	6	PA	4.2	400	PA	7.0
HT P802	3	PP	2.0	450	PP	7.0
HT P303	3	EP	2.7	400	PC, PA, etc.	7.0
IM P303	3	EP	2.7	390	PC, PA, etc.	5.0
R2S P513*	6	PU	3.2	480	PA	7.0
R2M P513*	6	PU	3.2	480	PA	5.0

* Tenax Next™

For high-temperature applications

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

Product type	Cut length [mm]	Sizing	Size level [%]	Bulk density [g/l]	Matrix resins	Filament diameter [μm]
HT P722	3	N/A	1.5	420	PEEK, PPS, etc.	7.0

Thermosets

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

Product type	Cut length [mm]	Sizing	Size level [%]	Bulk density [g/l]	Filament diameter [μm]
HT C261	3 6	EP	1.3	380	7.0

Water soluble sizings

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

Product type	Cut length [mm]	Sizing	Size level [%]	Bulk density [g/l]	Filament diameter [μm]
HT C124	3	water soluble	3.8	350	7.0
	6			350	
	12			300	
	25			250	
HT C137	6	water soluble	8.5	not applicable	7.0

Reinforcing excellence

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Metal coated

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

Product type	Cut length [mm]	Sizing	Size level [%]	Bulk density [g/l]	Filament diameter [μm]
HT C923	6	Ni PU	0.25 μm 3.0 %	580	7.5*

*with nickel

Tenax Next™

Low LCA, circular pelletized carbon fibers made from in-house manufacturing residues. Designed for automated feeding in compounding operation.

Product type	Cut length [mm]	Sizing	Size level [%]	Bulk density [g/l]	Matrix resins	Filament diameter [μm]
R2S P513*	6	PU	3.2	480	PA	7.0
R2M P513*	6	PU	3.2	480	PA	5.0

* Tenax Next™

Milled carbon fibers

Tenax™ milled fibers are high-quality carbon fiber powders without any preparation.

Product type	Bulk density [g/l]	Filament diameter [μm]
HT M100 60mu	550	7.0
HT M100 100mu	400	7.0
HT M500 80mu	500	7.0
HT M800 160mu	100	7.0

Packaging

- 20 kg / packaging

Notes

- Please contact our sales team for choosing the right type. All data shown are typical values representative of the material and cannot be guaranteed. Specialties on request.
- 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.