

Tenax® short fibers are mainly used to enhance the mechanical properties of thermoplastic materials. In addition, the good electrical conductivity of carbon fiber achieves an electromagnetic shielding (EMI = electromagnetic interference) in a variety of applications.

These properties establish Tenax® short fibers for use in housing components of electrical appliances or injection molded parts in mechanical engineering and automotive industry. Tenax® short fibers are supplied in a variety of sizings to be used, apart from thermoplastic materials, with thermosets and in water-based processes.

Tenax® chopped fibers

- bundle structure in compliance with cut length
- allows optimal dosage



Thermoplastic sizing

Brand name	Production site	Type	Cut length	Sizing	Size level	Bulk density
Tenax®-J		HT C413	6 mm	PU	2.5 %	530 g/l
Tenax®-J		HT C422	6 mm	PU	2.3 %	530 g/l
Tenax®-J		HT C483	6 mm	PU	2.7 %	500 g/l
Tenax®-J		HT C493	6 mm	PU	2.7 %	620 g/l
Tenax®-J/E		HT C604	6 mm	PA	4.2 %	400 g/l

For high temperature thermoplastics (PEEK, PEI, PPS, PSU, PES)

Tenax®-J		HT C702	6 mm	for high temperature	1.8 %	420 g/l
Tenax®-J		IM C702	6 mm	for high temperature	1.8 %	400 g/l

IM = Intermediate modulus fibers for applications where a higher tensile modulus is requested

Thermoset sizing

Brand name	Production site	Type	Cut length	Sizing	Size level	Bulk density
Tenax®-J		HT C261	3 mm 6 mm	EP	1.3 %	400 g/l

Water soluble sizing

Brand name	Production site	Type	Cut length	Sizing	Size level	Bulk density
Tenax®-A		HT C124	3 mm 6 mm 12 mm 25 mm	water soluble	3.8 %	350 g/l 350 g/l 300 g/l 250 g/l

Tenax® nickel coated chopped fibers

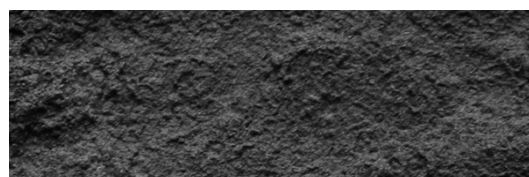
- coated with nickel evenly
- high electrical conductivity



Brand name	Production site	Type	Cut length	Sizing	Size level	Bulk density
Tenax®-J		HT C923	6 mm	Ni PU	0.25 μm 3.0 %	600 g/l

Tenax® milled fiber

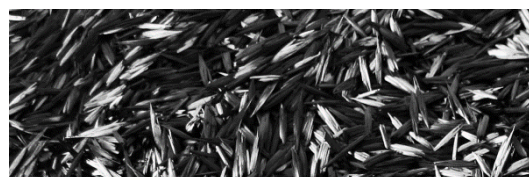
- fine powders without any preparation
- suitable to be blended with various materials



Brand name	Production site	Type	Cut length	Sizing	Size level	Bulk density
Tenax®-A		HT M100	60 μm	---	---	550 g/l
Tenax®-A		HT M100	100 μm	---	---	400 g/l

Tenax® pelletized fiber

- unique pellet shape for better feeding



Thermoplastic sizing

Brand name	Production site	Type	Cut length	Sizing	Size level	Bulk density
Tenax®-A		HT P303	3 mm	TP	2.7 %	400 g/l
Tenax®-A		IM P303	3 mm	TP	2.7 %	390 g/l

IM = Intermediate modulus fibers for applications where a higher tensile modulus is requested

For high temperature thermoplastics (PEEK, PEI, PPS, PSU, PES)

Tenax®-A		HT P722	3 mm	for high temperature	1.5 %	420 g/l
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Packaging

20 kg/packaging (minimum order quantity)

- Please contact our sales team any time, for choosing the right type. The stated numbers are typical values. Specialties on request.
- The export or transfer of carbon fibers can be subject to authorization, depending on end-use and final destination.