

# STANDARD PROGRAM

## CHOPPED CARBON FIBRE

### Chopped carbon fibres

Chopped carbon fiber strands are used in compression and injection molding application to produce machine parts, bicycle parts, gears. These parts are also referred as Forged Carbon Fibre composites.

Even a smaller amount can help your component to be anti static or to reinforce concrete constructions. The fiber can be used in your DMC (Dough Molding Compound) and your BMC (Bulk Molding Compounds) as main or extra reinforcements.

Main properties of our chopped carbon fibre

- Excellent corrosion resistance
- Creep and fatigue resistant
- Rigid / Durable
- Great formability due to the shorter fibers, complex geometries are easier to produce
- Anti static behavior
- Brings extra strength and stiffness in gap filling applications. Filler for resin rich areas
- Compatible with polyester, vinyl-ester, phenolic and epoxy resins.
- Great appearance.

Fiber Properties	Units	Values
Density	g/cm <sup>3</sup>	1.75 – 1,8
Fiber length chopped	mm	6 – 12 – 18 –24
Filament diameter	µm	7
Tensile strength	Mpa	4.100 – 4900
Tensile modulus	GPa	230 – 240
Elongation at break	%	1,5 – 2,0
Sizing type		Epoxy
Sizing level	Wt. %	1,0 – 1,3

