

## STAPLE CARBON FIBER

Chop Fiber Format has increased bulk density values resulting in more consistent and cleaner flow rates. These fibers “bundles” maintain their integrity when needed most; from the package into and through the hopper. During compounding they distribute easily improving process and product performance. These fibers provide excellent mechanical and electrical properties for reinforcement in thermoplastic molding compounds requiring high strength and modulus, low density, electrical conductivity, dimensional stability, low thermal expansion and excellent friction/wear properties. Further important uses include fuel cells, cement reinforcement and applications where enhanced chemical resistance is needed. The sizing type surface treatment can be tailored for individual end uses.

### Technical Properties:

	SI	US
Tensile Strength	3800 MPa	550 Ksi
Tensile Modulus	228 GPa	33 Msi
Electrical Resistivity	0,00155 ohm-cm	0,00061 ohm-in
Density	1,81 gr/cc	0,065 lb/in <sup>3</sup>
Fiber Diameter	7,2 mikron	0,283 mils
Carbon Content	%95	%95
Fiber Length	6mm-8mm-12mm	0,25inch-0,35inc-0,50inch
Bulk Density	25 lbs/ft <sup>3</sup>	400 g/l