

# SidleyFiber® Polypropylene fiber

## Introduction >>

SidleyFiber® Polypropylene fiber is a kind of organic fiber product specially designed for mortar and concrete. Polypropylene fiber is made of polypropylene particles by continuous hot extrusion processing. Due to destaticization and anti-ultraviolet treatment, it is well-proportioned disperse in mortar and last for a long time, thus can effectively increase the bonding stress of fiber and base materials, prevent/decrease/delay the early plastic cracking in mortar and concrete.

## Specifications >>

Specifications	Standard	Specifications	Standard
Length/mm	3/6/9/12/15	Tensile Strength/MPa	≥400
Initial Modulus/GPa	≥3.5	Crack Elongation/%	15 ~ 35
Melting point/°C	About 165	Ignition point/ °C	About 580
Resistance to Acid	Strong	Operational Safety	Non-toxic or irritant
Resistance to Alkali	Strong	Thermal Conductivity	Very low
Cold resistance	Good	Magnetism	None

## Feature & Function: >>

- Improving the ability of concrete to resist earthquake and natural disasters
- Improving crack resistance of concrete
- Reduces settlement and bleeding
- Reduces plastic shrinkage and settlement cracking
- Increase the wear resistance of concrete

## Primary Applications >>

High strength concrete in industrial sector/Tunnel/Highway  
Industrial pavement/Special mortar/Specific release/ Precast concrete

## Packing Size >>

1kg plastic bag, every 20 bags in a big bag; Or customized packing.

