



# ATA KİMYA

## İNŞAAT SANAYİ ve TİC. LTD. ŞTİ.

### PP Engineering fiber

With polypropylene as its raw material, this fiber is produced by special technology. The products have net-like structure with many fiber monofilaments.

When the fiber is put into the concrete, the horizontal structure in fiber monofilament can be destroyed in the course of stirring owing to friction and rubbing, and the fiber monofilament or net-like structure will fully stretch, thus the concrete is reinforced by a great number of polypropylene fibers.

#### Functional:

- 1.Prevent concrete crazing effectively
- 2.Improve tensile strength of concrete.
- 3.Improve the concussion and resistance to wear of concrete.
- 4.Improve barrier property of concrete.

#### Scope of Application:

- 1.Projects like concrete road, bridge, airport road and factory floor which strictly require cracking resistance.
- 2.The walls of tunnels, mines, roofs and reservoir projects with special construction
- 3.River courses and dams, etc
- 4.Military defense works, dock banks and piers, etc

Technical Parameter	0.91±0.01	Elastic Modulus (MPa)	>3500
Density(g/cm <sup>3</sup> )		Crack Elongation(%)	>10
Shape	net-like structure or monofilaments	Water-Absorbency	No
Acid &Alkali Resistance	Strong	Melting Point(°C)	160—180
Tensile Strength(MPa)	≥560	Hot Conduction	low
Electrical Conduction	low		