



成都英维玻璃纤维有限公司

CHENGDU YINGWEI FIBERGLASS CO., LTD

POLYACRYLONITRILE FIBER

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Polyacrylonitrile fiber is one kind of polymer fiber. Compared with polypropylene fiber, it has higher heat resistance and ageing resistance, better ultraviolet resistance. It can help to reduce the early cracking of concrete and enhance the anti-seepage performance. And can significantly improve the toughness and strength of cement concrete, enhance its antifreeze ability and extend the service life. This product can replace polypropylene fiber in cement concrete, and can also be used for asphalt pavement engineering instead of polyester fiber.

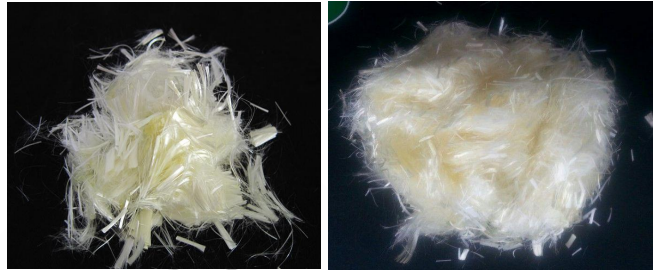
PRODUCT FEATURES

1. Improving the ability of concrete to resist earthquake and natural disasters
2. Improving crack resistance of concrete
3. Reduces settlement and bleeding
4. Reduces plastic shrinkage and settlement cracking
5. Increase the wear resistance of concrete
6. Improving the capacity of concrete to protect steel
7. Increasing the concrete crack resistance, flexural strength

TECHNICAL INFORMATION

Material:	Polyacrylonitrile
Diameter:	$13 \pm 2 \mu\text{m}$
Length:	1.5-3-6mm or others
Specific Gravity:	1.18g/cm ³
Elastic Modulus:	10.8Gpa
Tensile strength:	650Mpa
Elongation:	12%
Melting Point:	220-232°C
Alkali resistance:	Excellent

POLYACRYLONITRILE FIBER PICTURES



PRODUCT APPLICATION

Cement concrete:

Cement concrete pavement and fence dam for water conservancy and hydropower projects
Airport running, apron pavement spraying and pumping concrete.

Basement side wall, floor and roof waterproof reservoir, swimming pool and septic tank
Mortar plastering inside and outside overpasses, pier warehouses and buildings

Cement precast slabs and components

Asphalt concrete:

New and old asphalt concrete pavement surface
Asphalt concrete wear layer and gas film layer are laid on the bridge deck.

Thin asphalt concrete overlay of old asphalt pavement and old cement pavement

Strengthening of airport runway and apron

Pavement reinforcement and repair, curb reinforcement

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