



Normal Tensile Strength Polyester Fiber (NTS PF-15)

Product Description

Fiberego's NTS PF-15 is a 15mm normal tensile strength polyester fiber designed to reinforce concrete. This fiber is engineered to improve the toughness, crack resistance, and durability of concrete structures while offering an environmentally friendly alternative to traditional steel reinforcements.

Technical Specifications

Composition	Organic dibasic acid and diol
Diameter	12-18 μ m
Length	15mm
Melting Point	160-170°C
Tensile Strength	≥ 600 MPa
Elastic Modulus	≥ 4.0 GPa
Elongation	15-20%

Product Advantages

- **Improved Durability:** Enhances the longevity of concrete by resisting environmental and mechanical degradation.
- **Enhanced Crack Resistance:** Effectively controls and minimizes the formation of cracks, extending the service life of concrete structures.
- **Increased Load Capacity:** Provides additional strength, allowing concrete to withstand higher loads without compromising structural integrity.
- **Easy Integration:** Easily blends into concrete mixes without clumping, ensuring even distribution throughout the concrete.
- **Cost-Efficient:** Reduces overall construction costs by minimizing the need for repairs and maintenance.
- **Environmental Benefits:** Made from recycled materials, contributing to sustainable construction practices.
- **Versatility:** Suitable for a variety of concrete applications, enhancing flexibility and performance under various conditions.

Applications

1. Residential concrete slabs
2. Commercial building foundations
3. Parking lots
4. Driveways
5. Sidewalks
6. Bridge decks
7. Industrial flooring
8. Retaining walls
9. Water channels
10. Agricultural infrastructure
11. Decorative outdoor concrete
12. Sports facilities
13. Traffic barriers
14. Airport runways
15. Railway platforms

FAQs

Q1: What makes NTS PF-15 ideal for use in residential and commercial foundations?

A1: NTS PF-15 increases the concrete's strength and crack resistance, ensuring a durable foundation for both residential and commercial buildings.

Q2: How does NTS PF-15 contribute to sustainable construction practices?

A2: By utilizing recycled materials in its production, NTS PF-15 helps reduce waste and promotes the use of sustainable resources in the construction industry.

Q3: Can NTS PF-15 be used in infrastructure projects such as bridges and highways?

A3: Yes, NTS PF-15 is suitable for infrastructure projects due to its ability to enhance the durability and load-bearing capacity of concrete, making it ideal for high-stress applications like bridges and highways.

Packaging

- **Inner Packaging:** Each pack contains 0.2-4 kg, sealed in standard plastic bags for quality preservation.
- **Outer Packaging:** Packs are placed in woven bags or cardboard boxes, each weighing 10-20 kg, tailored to customer specifications.
- **Customized Options:** Available in water-soluble film, water-soluble paper, or regular paper bags for diverse needs.
- **Compression Packaging:** Reduces volume for efficient storage and transport, enhancing cost-effectiveness and sustainability.

Storage and Transportation

► Storage Requirements:

Store in a dry, cool, ventilated area.
 Avoid direct sunlight to prevent degradation from UV exposure.
 Keep away from humid environments to maintain fiber performance.
 Avoid heavy pressure and high stacking to prevent packaging damage.

► Transportation Precautions:

Handle carefully during loading and unloading to prevent damage.
 Ensure the transport vehicle is dry and clean to avoid moisture.
 Protect from sharp objects and prevent heavy items from crushing the packaging.

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FibeRego is a global manufacturer of fibers, specializing in a variety of fibers for the concrete industry.



FOR ASSISTANCE WITH FIBERS:

- ☎ +86 158 5427 9587
- ✉ info@fiberego-mikem.com (China office)
- ✉ sales@fiberego-mikem.com (US R&D office)
- 📍 No. 988, Shunxing Road, Tianqiao District, Jinan, Shandong, China