TECHNICAL DATA SHEET: APP-PVAF PVA FIBRE

DESCRIPTION

APP-PVAF Polyvinyl Alcohol Fibre is a new-generation, high-tech green building material. It is non-toxic, non-polluting and harmless to the human body, and disperses very well in water. It has high strength, high modulus, low elongation, abrasion resistance, acid and alkali resistance, good weather resistance, and good affinity and bonding with cement, gypsum and other substrates. It also provides crack, seepage, impact, freeze and abrasion resistance, and can improve the toughness of mortar.

SPECIFICATIONS AND CHARACTERISTICS

Raw Material	High-quality polyvinyl alcohol (PVA) with a high degree of polymerisation
Colour	Bright white or slightly yellow
Type	Monofilament
Specific Gravity	1.29-1.3 g/cm3
Typical Dosage Rates	1-1.5kg/cubic metre
Diameter	15-25µm
Stretch (%)	6-8
Available Length	4-12mm
Melt Point	230℃
Lightfastness	Excellent
Water Absorption	5%
Acid and Alkali Resistance	Excellent
Tensile Strength	1200-1700MPa
Modulus of Elasticity	32-40GPa
Dispersion	1-3 Grade
Solubility in hot water (90 ℃, 1 hour)	<2%

APPLICATION

- Cement mortar, Concrete
- EIFS, Rubber products
- Saline-alkali zones
- Chemical corrosion sites

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PACKAGING & STORAGE

- Standard small package: 1.0kg/bag in plastic film bag or water-soluble paper bag.
- Large package: woven plastic bag or carton; packaging can be customised.
- Container: 12.8 MT/20'GP 25.6 MT/40'GP
- Store in cool, dry conditions

SHELF LIFE

2 years in original, unopened package

This information is based on our present state of knowledge and is intended to provide general notes about our products and their use only. It should not therefore be construed as guaranteeing the consistency or permanency of the products or specific properties of the products described or their suitability for a particular application. Any existing industrial property rights must be observed.

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