



Henan Fuluorui New Materials Co., Ltd.

FULUORUI[®] HPEG

Methylallyl polyoxyethylene ether

Product Description

The product is an important raw material for polycarboxylate superplasticizer which is formed by the macro-monomer copolymerize with acrylic acid. The hydrophilic group in the synthesized copolymer(PCE) can improve the hydrophily and the dispersibility of the copolymer in water. The synthesized copolymer(PCE) has good dispersibility, high water reducing rate, good enhancing effect and durability, also is environmentally friendly and widely used in premix and cast-in concrete.

Product characteristics

- 1.High active catalyst and special synthesis technical process.
- 2.High double bond retention rate.
- 3.Excellent adaptability to cement.
- 4.Endow superplasticizer with high water reduction rate.
- 5.Improving early strength
- 6.Greatly reducing W/B ratio, shrinkage and creep, improving durability.
- 7.Low slump loss.
- 8.Low content of chloride ion($\leq 0.1\%$).

Product specification

Items	Standard
Appearance	White or yellowish flakes
Hydroxyl value mgKOH/g	23.40±1.00
Moisture%	0.10 max
Chloride,w/%	0.1 max
pH(1%Aqueous Solution)	5.2 ~ 7.2
Unsaturation mmol/kg	0.385 mix
Double bond retention rate%	93 mix

How to Use

1. As an active monomer, HPEG participates in the synthesis of Polycarboxylic Water Reducer.
2. The dosage of HPEG is determined according to the molecular design of Polycarboxylic Water Reducer.
3. The company provides a full set of compound use technology, which can train users. If there are difficult problems, engineers can come to guide them.

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<https://floreyconcrete.com>

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Application

The Polycarboxylic Water reducing agent produced by HPEG large monomer can be used to prepare retarding concrete, precast concrete, cast-in-place concrete, high-performance concrete, large flow concrete, self compacting concrete and mass concrete, and can be widely used in high-speed railway, large bridge, water conservancy, hydropower, nuclear power, subway, expressway, harbor wharf and various industrial and civil construction workers.

Package & Storage

1. This product is 25kg bag and 1000kg ton bag.
2. Products should be stored in 0 °C -35 °C temperature environment, without direct sunshine, without getting wet in the rain and leaking water, without mixing impurities, without evaporation of water.
3. The shelf life is 12 months.

Precautions

1. This product is non-toxic and harmless, biodegradable, but not edible.
2. If it gets into the eyes, it should be rinsed with plenty of water in time.
3. If you cause allergies to part of the human body, you should consult a doctor in time.

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