HPEG 2400 Polycarboxylate Polyether Monomer

HPEG 2400 Polycarboxylate Polyether Monomer is a kind of main raw material (polycarboxylate ether monomer) for producing high performance water reducing type polycarboxylate superplasticizer, it is produced with methallyl alcohol and ethylene epoxide as main raw materials.

It is the basic raw materialfor high range water reducing admixture - polycarboxylate based superplasticizer,which is made with the most advanced ethoxylation technology and production unit. The final products feature accurate molecular wieght, low glycol content and white appearance. While preparing water-reducea agents, abrupt polymerization and viscosity rising would never happpen.

Chemical formula

CH2=C(CH3)CH2O (CH2CH2O)nH, n=10~60. HPEG 2400 is a polyoxyethylene monomethallyl ether with molecular weight 2400.

Principle

HPEG 2400 Polycarboxylate Polyether Monomer is the main raw material for high performance polycarboxylate superplasticizer with the properties of non-toxic, non-corrossive and good water-soluble. High

performance polycarboxylate superplasticizer made from HPEG 2400 has such advantages as superior dispersing maintenance, low dosage, high water reducing ratio, good adhensive property, good reinforcing effects, good durability, no corrosion to steel bar and environment-friendly etc. PCE made from HPEG 2400 can be used to produce high performance, high strength commercial concrete at work site or long-distant convey.

Technical Specification

Item Code	DD-906
Appearance (25±1℃)	White or light yellow flaky solid
pH Value (1% water solution)	5.0-7.0
Unsaturation mmol/g	⩾ 0.38
Moisture %	0.2 max.
Hydroxyl Value mg KOH/g	23.5±2.0
Double Bond Retention %	⩾96

Packing: 25kg plastic woven bags.

Storage:

HPEG 2400 Polycarboxylate Polyether Monomer is non-toxic, non-flammable and can be shipped as general chemicals. Avoid direct sunlight. Keep away from fire or any kind of heat source. Stored separately with oxidants ,strong acids and alkali in cool and ventilated place.

Shelf time: One year