



**Shandong Zhuoxing Chemical Co., Ltd.**  
**Zibo Zhuoxing Enterprises Co., Ltd.**

**TDS of HPEG 2400**

**Description**

HPEG 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.

**Chemical formula**

$\text{CH}_2=\text{C}(\text{CH}_3)\text{CH}_2\text{O}(\text{CH}_2\text{CH}_2\text{O})_n\text{H}$ ,  $n=10\sim 60$ . HPEG 2400 is a polyoxyethylene monomethallyl ether with molecular weight 2400.

**Principle**

This product 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 of HPEG 2400**

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



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**Packing:** 25kg plastic woven bags.

**Storage:**

It 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