

Polycarboxylate Monomer TPEG 2400

Description

Polycarboxylate Monomer TPEG 2400 is mainly used in the production of polycarboxylate high performance concrete water-reducing admixtures. Polycarboxylate monomer TPEG 2400 is produced with isopentenol and ethylene epoxide as main raw materials.

Chemical formula

$\text{CH}_2=\text{C}(\text{CH}_3)\text{CH}_2\text{CH}_2\text{O}(\text{CH}_2\text{CH}_2\text{O})_n\text{H}$, $n=10\sim60$.

TPEG 2400 is a polyoxyethylene isopentenyl ether with molecular weight 2400.

Characteristics:

Polycarboxylate Monomer TPEG 2400 has good water solubility, and double bond retention rate is high, the molecular structure is like a comb and have large freedom degree, can be carried on the molecular structure design, and can get high-performance water reducing agent through a simple synthesis process.

When it is polymerized to water reducing agent, the dosage is low and the water reducing rate is high. It has a

good enhancement effect and durability, not corroded reinforced and environmental friendly etc.

Quality Specification

Appearance	White or light yellow flaky solid
Unsaturation mmol/e	≥ 0.38
Moisture	$\leq 0.2\%$
Hydroxyl Value mg KOH/g	23.5 ± 2.0
PH value (1% aqueous solution)	5.0-7.0
Double Bond Retention	$\geq 98\%$



Storage and Transportation

It is non-toxic, nonflammable and can be shipped as general chemical, stored at dry, ventilated place, away from sunshine and rain.