



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

Low- temperature synthesis polycarboxylate superplasticizer

Introduction

Low- temperature synthesis polycarboxylate superplasticizer is an Eco-friendly new generation high performance polycarboxylate ether superplasticizer developed by our company.

Advantages/Characteristics:

1. According to the low-temperature synthesis , the synthesis technology is simple and convenient to operate, the reaction process is easy to control, the generating period is short, the efficiency is improved, and the production cost is reduced;
2. The water reducer, prepared from the low-temperature synthesis technology, is high in water-reducing rate and slump loss resistance and excellent in cement adaptation, and has a higher market prospect.

Technical specifications

Items	Specification					
	SPC-02 Liquid(wate	SPS-03 Liquid(slum	SPS-04 Liquid	SPS-05	SPS-06 powder (Wate	SPS-08

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	r reducing type)	p retention type)	(Early strength & water reducing type)	Liquid(long slump retention type)	r reducing type	Powder(Water reducing type)
Appearance	White or light yellow to brown viscous liquid	White or light yellow to brown viscous liquid	Colorless or light yellow to brown viscous liquid	Colorless to light yellow viscous liquid	White or light yellow powder	White powder
Density	1.10 ± 0.02 g/cm ³	1.10 ± 0.02 g/cm ³	/	1.10 ± 0.02 g/cm ³	500 ± 50 Kg/m ³	500 ± 50 Kg/m ³
pH (23℃)	5--7	5--7	6 ± 1	5--7	6.0 ± 1.0	6.0 ± 1.0
Solid Content%	50 ± 1.0	50 ± 1.0	50 ± 1	50 ± 1.0	97.0 ± 1.0	97.0 ± 1.0
Moisture content%	/	/	/	/	≤ 3.0	≤ 3.0
Water Reducing Ratio%	/	≥ 15	≥ 25	≥ 15	≥ 25	≥ 25
Cl ⁻ %	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02
Alkali content%	≤ 0.3	≤ 0.3	≤ 0.3	/	≤ 0.3	≤ 0.3
Na ₂ SO ₄ %	/	/	/	≤ 0.3	/	/

Application:

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It is suitable for precast and cast-in-place concrete, reinforced concrete and prestressed concrete of high speed railway, special passenger line, industrial and civil construction, road, bridge, port, wharf and airport.

Storage and Safety

- 1. It should be stored at temperature from 0℃-40℃. Keep out of sun, rain, impurity. Avoid evaporation of water.**
- 2. It is non-toxic, non-polluting and non-edible. Avoid touching with eyes and skin-allergy people. If touching , should clear with water and timely go to see doctor.**

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