High Performance Polycarboxylate Superplasticizer
Company Profile

Liaoning Kelong Fine Chemical Co., Ltd. was founded in 2002, consisting of over 500 staffs by now, among which the 30 are research specialist staff with master and doctor degrees.

The company is a fine chemical supplier based on ethylene oxide and has satisfied perfect product lines for polycarboxylate-based superplasticiser, cutting fluid of silicon for solar energy, polyester elastomer, multifunctional finishing agent, coating additives, food additives and building materials additives. Its products have been widely used in daily use, medicine, spinning and textile printing, coating, printing ink, oil exploitation, metal processing, building and IT industries.
The company comes out among the best suppliers of polycarboxylate-based superplasticiser at home, and has customers across the country and products well sold in America, Russia, Japan, Korea, Israel, Malaysia and New Zealand, etc. The 8 offices set throughout the country aim to better serve our customers with the best and quickest quality products and technical supports.
F-108
New polyether monomer

Description
F-108 is a new complex raw material of high performance polycarboxylate water reducer researched & developed by our company. High performance polycarboxylate water reducer has passed testing and checking by authorized organization and fully conform with polycarboxylate water reducer standard JG/T 223-2007 and requirement for temporary technical conditions of high performance concrete passenger transportation special line.

Application
Mainly for manufacturing high performance polycarboxylate water reducer.

Characteristics
1. High active catalyst & special synthesis technical process
2. High double bond retention rate & low cost.
3. Excellent adaptability to cement
4. 1.1% F-108(22%) is added in concrete, water reducing rate is above 50%.
5. Improving early strength & strength after 28 days
   Compressive strength 1day ≥ 180, 3days ≥ 170, 7days ≥ 160, 28days ≥ 150.
7. Low slump loss, slump retention index ≥ 190mm.
8. Complying with ISO14001:2004 certification, content of chloride ion ≤ 0.1%.

Physical & Chemical properties

<table>
<thead>
<tr>
<th>Items</th>
<th>Units</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Visual Appearance</td>
<td>/</td>
<td>White to yellowish flake</td>
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<tr>
<td>Hydroxyl value</td>
<td>MgKOH/g</td>
<td>23.5 ± 2.0</td>
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<tr>
<td>PH</td>
<td>/</td>
<td>6.0-9.0</td>
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<tr>
<td>Degree of unsaturation</td>
<td>Mol/kg</td>
<td>≥ 0.370</td>
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Package & Storage
Packed in 25kg bag, the shelf-life is 1 year and stored at cool and ventilated place.