



Polycarboxylate Superplasticizer **PCE-154L**

Chemical Nature

PCE154L is a new generation of environmentally friendly polycarboxylate high-performance water-reducing agent. The series of water-reducing agents can significantly improve the plasticity index of fresh concrete due to its high water-reducing rate, thus improving the pumping and reliability of concrete while also showing excellent performance in strength growth.

This product can be widely used in ordinary concrete, pumped concrete, superfluid self-compacting, and high-strength and high-durability concrete, especially in precast concrete applications.

Typical Properties

appearance	White transparent liquid
solid content	50±2%
PH	5±2
density/(g/cm ³)	1.05±0.05 (25°C)
chlorine content	0
ASTM C 494 type	F,G

Standard compliance: ASTM C 494, Type E, F and G standard for high range water reducer

Fields of application

1. The product is light yellow or colorless liquid;
2. The product has good stability and no precipitation at low temperatures;
3. The product is environmentally friendly, non-toxic, and harmless and is conducive to the deployment of environmental concrete;
4. The product has excellent adaptability while taking into account the characteristics of high water reduction;
5. Stable product quality and performance ;
6. Excellent solubility;

Usage

1. Low dosage and high water-reducing rate. The recommended dosage is 0.2-0.5% (solid content) of the cementitious material, and the water-reducing rate can reach 25-40%; it is not an end product used in concrete production since the product is a water-reducing stock solution with a solid content of 50%. Recommend customers reduce the solid content of the product before use and determine the optimal dosage and performance through experiments. Other admixture products can be used in combination if necessary.

-
2. When users first use the product or change raw materials, please refer to the instructions according to the construction requirements plus conditions and conduct necessary trial mixing tests on the dosage along with methods to obtain the best technical and economic benefits;
 3. The product cannot be mixed with a Nylon water-reducing agent to avoid affecting the performance.
-

Packaging

200kg DRUM/1000KG IBC

Storage condition

1. The product is transported in plastic barrels or tankers and can also be packaged in unique ways according to customer requirements;
 2. The product is non-toxic and non-flammable;
 3. The product should be stored in a cool place and avoid long-term contact with steel items. It should be kept covered and protected from sunlight, rain, and freezing. The storage temperature should be between 0-40°C and below 0°C. There will be freezing during storage. Heat it until it melts and stir evenly again before use if ice is found;
 4. The shelf life of the product is six months. If it exceeds, it can only be used after passing the technical index inspection and confirming that its performance meets the requirements through concrete trial mix verification.
-

Product safety

The product is non-hazardous according to the legal provisions on dangerous goods and preparations. Contact us for further information.

General

Safety

The usual safety precautions when handling chemicals must be observed. These include the measures described in Federal, State and Local health and safety regulations, thorough ventilation of the workplace, good skin care and wearing of protective goggles.

Material Safety Data

The product is non-hazardous according to the legal provisions on dangerous goods and preparations. Contact us for further information.

Sheet

Transport Regulation

Not known as a dangerous good according to transport regulations.

Important

The descriptions, designs, and data contained herein are presented for your guidance only. Because there are many factors under your control which may affect processing or application/use it is necessary for you to make appropriate tests to determine whether the product is suitable for your particular purpose prior to use. **NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, OR DATA MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL PROPERTY RIGHTS OF OTHERS. IN NO CASE SHALL THE DESCRIPTIONS, DATA OR DESIGNS PROVIDED BE PRESUMED TO BE A PART OF OUR TERMS AND CONDITIONS OF SALE.** Further, you expressly understand and agree that the descriptions, designs, and data furnished by SIDLEYCHEM hereunder are given gratis and BASF assumes no obligation or liability for same or results obtained from use thereof, all such being given to you and accepted by you at your risk.

© Sidley Chemical Co.,Ltd, 2023

Sidley Chemical Co.,Ltd,
Room 901, Spring Building,
Linyi City, Shandong Prov., China, 276000
Phone: (86) 539-7576660
Email: sales@sidleychem.com
www.sidleychem.com