

## Product Description

PEO P10 is a non-ionic, water-soluble poly(ethylene oxide)polymer with a high molecular weight of 100,000. P10 is a rheology modifier that is used to precisely control the viscosity of water based formulation. P10 can be cast or extruded into thermoplastic, water-soluble films.

PEO P10 acts as a foam booster and slip agent. It is water-soluble product designed to reduce drag&impart a smooth,lubricious after-feel and leaves hair and skin feeling silky. It improves tactile properties of water phase and overall aesthetics. It is compatible with a wide of surfactants. It is used in shaving products, body washes, liquid hand soaps, bar soaps and styling gels.

Molecular formula:  $\text{HO}(\text{CH}_2\text{CH}_2\text{O})_n\text{H}$

## Specifications

Items	Specification
Appearance	White Powder
PH value, 25°C, 1%	7-9
Mesh 20,	100%
Mesh 40	≥90%
Dry loss,105°C, wt%	≤1.5%
Ash content,wt%	≤0.5%
Epoxypropane,mg/kg	0.5max
Antioxidant,mg/kg	0.15max
MW,D	50,000-150,000
Pb content, mg/kg	≤0.03
MI (g/min)	40

## Application Range

- Shaving
- Hand wash& sanitizes
- Men care
- Hair gels
- Shower& bath

## Key Properties

Shandong Charing Industry Co.,Ltd

[www.sdcharing.com](http://www.sdcharing.com)

TEL/wechat/whatsapp:+86-150-6613-3527

**Polyethylene Oxide  
PEO P10**

- 
- |                 |                           |                         |                       |
|-----------------|---------------------------|-------------------------|-----------------------|
| - Water-soluble | - High binding efficiency | - Nonionic              | - Excellent lubricity |
| - Crosslinkable | - Viscoelastic            | - Film Former           | - Emollient           |
| - Thermoplastic | - Low toxicity            | - Binds inorganic salts |                       |

**Packaging and Storage**

- A. Standard Packing: In 20kg/ bags carton inner PE bags
- B. Standard Packing: In 20kg/barrel.
- C. Standard Packing: in 15kgs carton inner PE bags

Store it in a cool, dry place below 30degree and protected against humidity and pressing

**Safety Notes**

The above data is in accordance with our knowledge, but don't absolve the clients carefully checking it all immediately on receipt. To avoid the different formulation and different raw materials, please do more testing before using it. We reserve the right to alter our product and without informing in advance.

**Company Information**

Shandong Charing Industry Co., Ltd.  
Jinan City, Shandong Province, China  
judie@sdcharing.com  
www.sdcharing.com