

TECHNICAL DATA SHEET

INCI Name: Polyquaternium-10

CAS NO.: 68610-92-4

Chemical Structure: $(C_2H_4O)_n \cdot C_6H_{16}NO_2 \cdot xCl$ (x unspecified)

Trade Name: Yeser® PQ-10

Product Specifications:

Test Item	Specification	Test Method
Appearance (25°C)	Yellowish powder	By eye
pH value (2% aqueous solution, 25°C)	4.0~7.0	GB/T 6368
Viscosity (2% aqueous solution, 25°C), mPa•s	300~500	GB/T 5561
Nitrogen content, %	1.5~2.2	Kjeldahl method
Loss on drying, %	≤8.0	GB/T 13173

Product Features:

- 1) Strong affinity with hair, repairing split ends and tangles.
- 2) Forms a transparent, continuous, non-adhesive film.
- 3) Improves dry and wet combability, leaving hair soft and easy to comb.
- 4) Reduces eye irritation from surfactants.
- 5) Can be used with various surfactants and has a wide range of applications.

Dosage:

The recommended dosage is 0.1%~0.8%.

Package:

In 25kg paper barrels

Shelf life:

Sealed, stored in a dry and ventilated place, the shelf life is 12 Months.

***Special notes:**

Add PQ-10 directly to cold water being stirred and disperse, raise the temperature of the stirring pot to 70~75°C and dissolve until uniform. Or without heating, adjust the pH of the solution to neutral by adding the right amount of alkali to make it dissolve up quickly without heating.

