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## Product Information: SPI-PQ10HV

Polyquaternium-10

### Introduction:

SPI-PQ10HV delivers a natural cellulose and excellent effect conditioning to hair. They can be formulation of clear shampoos avoid volume-down effects and no build-up on hair. SPI-PQ10HV and SPI-PQ10LV are suitable for low concentrated formulas.

### General Characteristics:

Cationic cellulosic Resin that is soluble in water.

### Chemical Name:

Hydroxyethyl cellulose - 2 Hydroxypropyl Ammonium Chloride ether.

### Usage Level:

0.2 - 0.6%

### Property:

- Very substantive to skin/hair
- Moisturizing, lustering effect
- Protein-like effect from cationic natural cellulose
- Smooth & fine texture, and easy combing & styling.
- Protect & strengthen damaged hair
- Anti-static effect
- Useful as thickener, and easy dissolving in the water of low temperature
- Stable with various inorganic salts & over a wide pH range

### Applications:

- Shampoos and Conditioners
- Shaving Products
- Bath and Shower Gels
- Skin lotions and creams
- Hair Care
- Infant Care

Specification	Typical Properties
Appearance @ 25°C	Light Yellowish Powder
Dry loss (% , 105°C,2hr)	6.0 Max
Ash %	3.0 Max
Nitrogen	1.7 – 2.2
Viscosity, CPS @ 25°C	1,000 – 2,500
pH @ 25°C	5.0 – 7.0
Particle Size (% , 20 mesh)	95 Minimum
Water Insoluble %	5 Max

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