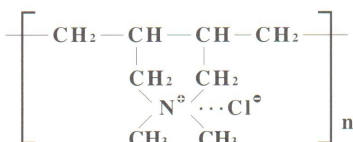




## TECHNICAL DATA SHEET

PAS -H-5L, PAS-H-10L  
Water-soluble cationic polymer

PAS-H-5L and PAS-H-10L is homopolymer of quaternary ammonium salt of diallyldimethylammonium chloride (DADMAC). Because of the existence of quaternary ammonium salt, PAS-H-5L, 10L demonstrate excellent stability in acidic and alkaline conditions.



### Characteristic

- High cationic density
- Excellent stability (keep cationic density) at whole range of pH condition
- High water-solubility
- Reactivity with epoxy, urethane functional group

### Typical property

	PAS-H-5L	PAS-H-10L
Ionic Characteristic:	Cationic	
Solid Content:	28%	28%
Molecular Weight:	40,000	200,000
Solubility:	Soluble in water	
pH	1.5-3.5	

### Application

- Receptive coating agent for ink-jet printing substrate
  - Imparting excellent water-fastness, light-fastness property
- Sizing agent in neutral paper making process
- Surface leveling agent in electric plating process agent
  - Impart excellent leveling, covering and macro throwing power.
- Crosslinking agent for waterborne system coating
- Dispersing agent for nano metal particles

### Sample formulation for receptive coating for ink-jet paper (matt-type)

Component	Concentration
Silica (Specific surface area 290m <sup>2</sup> /g. Average particle size = 3.9μm)	10%
Polyvinyl Alcohol - 4% solution (Degree of polymerization ≈ 1700)	3%
PAS-H-5L	7%
Water	80%

**Packaging:** PAS-H-5L, 10L is available in 8 oz. samples, and net 20kg pail