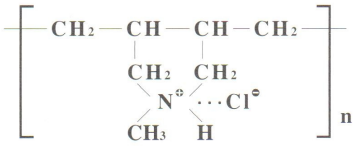
50 Harrison Street Suite 310A
Hoboken USA
P : 201-604-6231
F : 201-604-6266
Email : info@ghenmaterials.com

GHEN MATERIALS

TECHNICAL DATA SHEET

PAS –M1
Water-soluble cationic polymer

PAS-M1 is homopolymer of tertiary amine salt of methyldiallylamine(MDAA). It is designed for receivable coating formulations for ink jet paper. PAS-M1 will provide ink jet paper a high degree of color saturation and light fastness. PAS-M1 demonstrates excellent stability in acidic conditions.



Characteristic

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

Typical property

	PAS-M1
Ionic Characteristic:	Cationic
Solid Content:	50%
Molecular Weight:	20,000
Solubility:	Soluble in water
pH	2-3

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

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

Component	Concentration
Silica (Specific surface area 290m^2/g. Average particle size = 3.9μm)	10%
Polyvinyl Alcohol - 4% solution (Degree of polymerization ≈ 1700)	3%
PAS-M1	4%
Water	83%

Packaging : PAS-M1 is available in 8 oz. samples, 18kg pail and 200kg drum