

# POLYMAN – 4000PN-6

(Acrylic homo-polymer - Partially Neutral)

## INTRODUCTION:

**POLYMAN-4000PN-6** is an acrylic homo-polymer partially neutralized with sodium salt. It is used for various water treatment and industrial applications like textile wet processing, paint, detergent etc. The product **POLYMAN-4000PN-6** being a **low molecular weight** polymer has good anti-gelling capacity and so has **best calcium / magnesium / barium trapping ability** working over **wide range of pH, high hardness and temperature** without precipitation. Apart from thermal stability, the product has good **stability over oxidizing agent like chlorine**. The product is non-phosphorus; non-foaming dispersant and has good environmental acceptability.

## Properties of POLYMAN-4000PN-6:

Property	POLYMAN-4000PN-6
State	Liquid
pH	6.0±1.0
Density @ 25 °C	1.20 ± 0.02
Color	Water white to pale yellow
Odor	Almost odorless
Active Content	35.0±2.0
Brookfield Viscosity	400 – 1000 CPS @ 25 °C
Solubility in Water	Soluble in all proportions



\*Properties mentioned and color shown in the photo above is for general idea of the product. Actual product property may vary.

**ADVANTAGE: POLYMAN-4000PN-6** confers following application benefits:

**Water Treatment:** It is very widely used in industrial water treatment as dispersant and scale inhibitor. It inhibits build up of scale by solubility enhancement, crystal growth modification and the dispersion property of the low molecular weight polymer structure.

**Textile:** In textile wet processing **POLYMAN-4000PN-6** is used in preparation, dyeing and formulations as dispersant and stabilizer. Its use abates problems arising due to water hardness viz. incrustation on textile, scum formation in processing and build of scale on machinery. It improves overall process outputs, shade brightness, levelness and feel of the textile.

**Detergent Additive: POLYMAN-4000PN-6** as sodium salt is used as a builder / water softening agent in no phosphate or low-phosphate, low-foaming detergent formulations.

**Construction:** It is widely used in construction chemicals formulations also.

**DOSAGE** Most common doses of **POLYMAN-4000PN-6** are between 1 – 10 ppm. However, the dosage varies depending upon use conditions and the end effect envisaged.

**SAFETY AND HANDLING: POLYMAN-4000PN-6** is generally safe but avoid contact with eyes. Do not take internally. In case of contact with skin, wash with plenty of water. In case of contact with eyes, flush with water and get prompt medical attention. Gloves and goggles are necessary while handling the product.

**STORAGE: POLYMAN-4000PN-6** is non-flammable, and non-combustible. It should be stored under shade. Keep the product away from direct sunlight.

**PACKING: POLYMAN-4000PN-6** is available in 55Kg Carboy / 250Kg Polydrum.

Contact Us:

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