

POLYMAN – 4000PN

(Acrylic homo-polymer - Partially Neutral)

Introduction:

POLYMAN 4000PN 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** 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:

Property	POLYMAN 4000PN
State	Liquid
pH	3.5 – 4.5
Density @ 25 °C	1.30 ± 0.05
Color	straw colored
Odor	Almost odorless
Solid Content	50.0 – 55.0%
Average mol. Wt.	Approx. 4000
Brookfield Viscosity	400 – 1000 CPS @ 25 °C
Solubility in Water	Soluble in all proportions

(These are typical values and not the final specifications)

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

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

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

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

Contact Us:

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