

POLYREN[®] 5102

Liquid polymer in emulsion
Retention and drainage treatment
Mechanical dehydration of organic sludges
Fiber recovery

PRODUCT DESCRIPTION

Polyren[®] 5102 is a cationic organic flocculating agent in emulsion, used for the physical-chemical treatment of the diluted pulp of paper machines and for the treatment of industrial effluent waters in decanters or flotation units or for sludge dehydration in presses.

BENEFITS

- It increases the total retention.
- It increases the speed of drainage of water on the formation wire, thus allowing higher production speeds.
- It betters the water quality (less turbidity and lower level of TSS).
- It allows a very good liquid solid separation in sludge dehydration.
- Just 30 minutes are required to prepare the original solution.

PRODUCT APPLICATION

Prepare an original solution between 0,5 and 1,0 %. Inject this solution by means of a dosing pump.

Dosage:

- Retention and drainage: 250 - 1000 g/ton
- Sludge dehydration: 2- 6 Kg/ton
- Fiber recovery: up to 20 ppm

It is recommended not to exceed the suggested dosages, which can however be optimized in collaboration with the local NCR Biochemical representative. The product must be used according to the control procedures established by the supplier for a specific application.

REGULATORY INFORMATION

Compliant for use on paper and cardboard in contact with food according to: F.D.A. 21 CFR 176.170 and 176.180, Recommendation BfR XXXVI.

TYPICAL PROPERTIES

Appearance	Liquid
Colour	white
Molecular weight	medium-high
Density	1,00 ± 0,05 g/cc
Viscosity at 25 °C	500 ÷ 2000 cps
Water solubility	max 2%

For more information please refer to the SDS (Safety Data Sheet) Section 9.

STORAGE AND PACKAGING

Storage: keep away from heat and from dampness. Recommended storage time: less than 6 months.

Standard packaging: 25 kg jerrican, 210 kg drum, 1050 kg IBC.

HANDLING AND PRODUCT SAFETY

Please read the SDS (Safety Data Sheet) carefully before using this product.

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