

TECHNICAL BULLETIN

Textile Processing Compound



Let You LEAD The Process

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Nestogen JDP

A versatile Anionic
Wetting agent cum
detergent

‘Nestogen JDP’ is high performance wetting agent cum detergent designed for processes where exceptionally high wetting is required like open width continuous bleaching.

Features

- High Efficiency in Emulsification of oils and waxes
- Good detergency for cotton and also for rayon and other synthetic-fiber textiles
- Effective wetting properties
- Excellent risibility
- Good dispersing properties
- Outstanding stability to alkali and caustic
- Synergism with sequesterants in the control of iron and other metal ions.
- Low toxicity
- Rust inhibition

| | |
|---------------|--|
| Type | Anionic |
| Constitution | Free acid of complex organic ethoxylate |
| Appearance | Clear liquid |
| Solubility | Easily soluble in cold water. |
| Compatibility | Stable to alkalies, acids, electrolytes, hard water and compatible with auxiliaries used in bleach bath. |
| Storage | Stable under normal conditions. |
| Application | <p>In the continuous processing the dwell time of fabric in the bath is very short and hence high wetting to ensure uniform and fast pick up of bath liquor.</p> <p>‘Nestogen JDP’ a specially designed wetting agent which ensures fast wetting of the fabric in continuous preparation and yield good absorbency and whiteness.</p> |

The product appearance varies from batch to batch. The colour & viscosity may vary from batch to batch and its intensity is not an indication of product strength.

NONWARRANTY: The suggestions and data in this bulletin are based on information we believe to be reliable. They are offered in good faith but without guarantee, as conditions and methods of use of our products are beyond our control. We recommend that the prospective user determine the suitability of our materials and suggestions on an experimental basis before adopting them on a commercial scale.

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1. CONTINUOUS PROCESS

1.1 Pad-steam (Roller-bed steamer, J-Box and U-Box)

| | Desize | Scouring | Bleaching |
|--------------------------|----------|----------|------------|
| Nestogen JDP | 2 g/l | 2-4 g/l | 3-4 g/l |
| Hydrogen Peroxide (50%) | 3-4 ml/l | - | 20-40 ml/l |
| Caustic soda flake | 50 g/l | 50 g/l | 4-8 g/l |
| Nesto Scour LV4 | 5 g/l | 5 g/l | 1-2 g/l |
| Nascent - O ₂ | - | - | 6-8 g/l |

Pad at 30°C and steam at 100°C for 20-30 mins. followed by washing (hot-warm-cold)

1.2 Combined Scour-Bleach

| | |
|--------------------------|------------|
| Nestogen JDP | 2-4 g/l |
| Nascent - O ₂ | 6-8 g/l |
| Nesto Scour LV4 | 1-2 g/l |
| Caustic Soda flakes | 10-20 g/l |
| Hydrogen Peroxide (50%) | 40-60 ml/l |

Pick up : 120-140%

Steam at 100°C for 10-20 mins followed by wash-off (95°C/95°C/80°C/50-70°C)

2. DISCONTINUOUS PROCESS (BATCH OPERATION)

2.1 Pad-Batch

| | Oxidative Desize | Scouring |
|---------------------|------------------|-----------|
| Nestogen JDP | 3-5 g/kg | 3-5 g/l |
| Nesto Scour LV4 | 1-2 g/kg | 3-5 g/l |
| Hydrogen Peroxide | 12-17 ml/kg | - |
| Caustic Soda | 8-10 g/kg | 40-60 g/l |

Pick up : 100%

Desize: Pad-batch at 90°C for 1 hour

Scouring : Pad at 50-90°C and batch at 90°C for 2-3 hours.

Storage Packing

Stable under normal conditions.
50 Kg. Plastic Carboy

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