DUREX-SR

- Penetrating Agent For Mercerizing Processing

DUREX-SR is a low foaming penetrating agent for mercerizing which shows excellent penetrating efficiency on cotton fiber in NaOH bath because it has good alkali resistance.

◈ SPECIFICATION

*** APPEARANCE**	Yellowish Liquid
*** IONIC NATURE**	Anionic
*** pH (1% aq. Sol'n)**	7.0 ± 1.0
*** SP.GR(at 25℃)**	1.05 ± 0.05
*** SOLUBILITY**	Easily soluble in warm and cold water.
*** STORAGE STABILITY**	Min. 1 year under cool and dry conditions when stored in original sealed, packaging.
*** COMPATABILITY**	Compatible with anionic and nonionic materials.

◈ FEATURES

1) **DUREX-SR** has strong penetrating efficiency even at alkali concentration of 20°Be' ~ 35°Be'.
2) **DUREX-SR** is suitable for even a continuous process because of its low foaming property.
3) **DUREX-SR** provides uniform mercerizing effect, because it can penetrate into fiber-cells rapidly and uniformly.
4) Because of its alkali resistance and low foaming property, **DUREX-SR** doesn't cause any troubles in a mercerizing process.
5) It is environmental-friendly product as APEO-free and NPEO-free.

◈ APPLICATION FIBERS

Suitable for cotton fiber.

◈ HOW TO USE

Recommended use levels are 2~10 g/ℓ according to kinds, density, thickness, types and processing methods of cotton fibers.

Ro Chem International SDN BHD
11-3-2, Block-I, Jalan 3/101C, Chenas Business Center
Jalan Cheras, Batu5,56100, Kuala Lumpur, Malayasia
Cell No : +601116622841, E-mail : info@rochemint.com, www.rochemint.com

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◈ RECOMMENDED RECIPE

1. Foaming test (Aeration Method)

1) Testing liquid
   - 98% NaOH : X% aq. Sol'n
   - **DUREX-SR** : 4 g/ℓ

2) Temperature : 50℃

3) Method : Add 200 ㎖ Testing liquid to 1ℓ mess cylinder, aerate for 10 sec by air pump after dipping aerator and then measure the foam levels at 10-second intervals.

2. Penetrating effect test (Felt sedimentation)

1) Testing fiber : desized/scoured cotton fiber.

2) Testing liquid
   - 98% NaOH : X% aq. Sol'n
   - **DUREX-SR** : 4 g/ℓ

3) Temperature : 50℃

4) Method : Cautiously put above-mentioned Testing fiber(2.5 × 2.5㎝) on the surface of Testing liquid, measure the time(sec) until reach the bottom.

◈ PACKAGE

120 Kgs NET IN DRUMS.

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