

DUREX-C

- Penetrating Agent For Continuous Weight Reduction Processing

Being a low foaming penetrating agent with high alkali resistance, **DUREX-C** allows you to obtain silky, smooth and soft products by uniformly reducing the weight of polyester. It is suitable for a continuous weight reducing process of cold-pad, pad-steam and pad-dry.

◆ SPECIFICATION

* APPEARANCE	Light Yellowish Liquid
* IONIC NATURE	Anionic
* pH (1% aq. Sol'n)	7.0 ± 1.0
* SP.GR(at 25°C)	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-C** has strong penetrating efficiency even at alkali of concentration (15°Be'~ 50°Be').
- 2) **DUREX-C** has a low foaming property, and is very suitable for a continuous process.
- 3) When **DUREX-C** is used, uniformly weight-reduced products can be obtained.
- 4) **DUREX-C** makes fiber soft and smooth.
- 5) **DUREX-C** isn't separated by alkali salt up to the maximum alkali concentration of 35°Be'.
- 6) It is environmental-friendly product as APEO-free and NPEO-free.

◆ APPLICATION FIBERS

Suitable for Polyester fiber.

◆ HOW TO USE

Recommended use levels are 4~5 g/l according to density, thickness, types of fibers and weight reduction degree required.



Ro Chem International SDN BHD

11-3-2, Block-I, Jalan 3/101C, Cheras Business Center
Jalan Cheras, Batu5,56100, Kuala Lumpur, Malaysia

Cell No : +601116622841, E-mail : info@rochemint.com, www.rochemint.com

◆ RECOMMENDED RECIPE

1. Method

- PAD
- 2DIP –1NIP
- Pick Up : Approx. 110%

2. PAD conditions depending on the concentration of Alkali (NaOH)

1) In weight reduction processing at the concentration of NaOH (4N)

- 50% NaOH : 210 g/ℓ
- **DUREX-C** : 4 g/ℓ
- **TS-600R** : 1-3 g/ℓ
- Adding temperature of
DUREX-C and **TS-600R** : 40-60°C
- Padding temperature : 100-130°C
- Bath ratio : 1:20

2) In weight reduction processing at the concentration of NaOH (8N)

- 50% NaOH : 415 g/ℓ
- **DUREX-C** : 4 g/ℓ
- **TS-600R** : 1-3 g/ℓ
- Adding temperature of
DUREX-C and **TS-600R** : 40-60°C
- Padding temperature : 100-130°C
- Bath ratio : 1:20

3) In weight reduction processing at the concentration of NaOH (10N)

- 50% NaOH : 520 g/ℓ
- **DUREX-C** : 4 g/ℓ
- **TS-600R** : 1-3 g/ℓ
- Adding temperature of
DUREX-C and **TS-600R** : 40-60°C
: 100-130°C
: 1:20
- Padding temperature
- Bath ratio



DUREX-C

- Penetrating Agent For Continuous Weight Reduction Processing

◆ RECOMMENDED RECIPE

4) In weight reduction processing at the concentration of NaOH (12N)

- 50% NaOH : 625 g/ℓ
- **DUREX-C** : 4 g/ℓ
- **TS-600R** : 1-3 g/ℓ
- Adding temperature of
DUREX-C and **TS-600R** : 40-60°C
- Padding temperature : 100-130°C
- Bath ratio : 1:20

5) In weight reduction processing at the concentration of NaOH (14N)

- 50% NaOH : 735 g/ℓ
- **DUREX-C** : 4 g/ℓ
- **TS-600R** : 1-3 g/ℓ
- Adding temperature of
DUREX-C and **TS-600R** : 40-60°C
- Padding temperature : 100-130°C
- Bath ratio : 1:20

3. Washing hot

- Washing hot for 30 min at 85-100°C.

4. Washing cold

- Washing cold for 15-30 min at room temperature.

◆ PACKAGE

120 Kgs NET IN DRUMS.



Ro Chem International SDN BHD

11-3-2, Block-I, Jalan 3/101C, Chenas Business Center
Jalan Cheras, Batu5,56100, Kuala Lumpur, Malaysia

Cell No : +601116622841, E-mail : info@rochemint.com, www.rochemint.com