



ITOGUARD E6030 liq.

Technical Data Sheet

Introduction

Itoguard E6030 liq. is a fluorinated water/oil repellent finishing agent for textiles made of synthetic and cellulosic fibers, especially cotton, polyester and their blends.

1. Features

- Itoguard E6030 liq. is a high-end water/oil repellent product for synthetic and cellulosic based fabrics.
- Itoguard E6030 liq. holds a high compatibility rate with numerous crosslinking agents, catalysts, softeners and other textile auxiliaries. Running tests before application is recommended.
- Itoguard E6030 liq. does not contain any APEOs (Alkylphenolethoxylates), PFOAs (perfluorooctanic acids) and PFCAs (perfluorocarboxylic acids) with longer chains.
- Itoguard E6030 liq. is a nonflammable product.

2. Physical/Chemical Properties

Appearance	Liquid, milky white emulsion
pH (25 °C)	Acidic
Ionic charge	Weakly cationic
Solubility	Easily soluble in water
Flash Point	100°C

3. Application

Itoguard E6030 liq. can be applied by padding and foam methods. The amount used for padding method varies between 15 - 65 g/l, depending on the type and properties of the fiber and the expected effect. Optimal pH of the finishing liquor is approximately 4-5.

Recommended Usage:

100% Cotton

30-55 g/l Itoguard E6030 liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min



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PES/Cotton

20-45 g/l Itoguard E6030 liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min

100% PES

20-35 g/l Itoguard E6030 liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 150-170°C for 1-3 min

* It is recommended to adjust pH between 4-6.

** In some instances higher curing temperatures have a beneficial effect on washing fastness.

*** Use of crosslinking agents is proven to increase durability against washing.

4. Precautions for use

- Itoguard E6030 liq. can be stored for at least 6 months at 5°C – 40°C.
- Stir well before use.
- Use under adequate ventilation is recommended. It is not safe to breathe any vapor or mist.
- Wear protective equipment when handling. Avoid direct contact with eyes and skin.
- See the Material Safety Data Sheet for further information about safe use.

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