



ITOGUARD E6 liq.

Technical Data Sheet

Introduction

Itoguard E6 liq. is a fluorinated finishing product increasing oil & water repellency of textiles made of synthetic and cellulosic fibers, especially cotton, polyester and their blends.

1. Features

- Itoguard E6 liq. is a high-quality water/oil repellent finishing agent for synthetic and cellulosic based fabrics.
- Itoguard E6 liq. shows high compatibility with numerous crosslinking agents, catalysts, softeners and other textile auxiliaries. It is advised to run tests before application.
- Itoguard E6 liq. does not contain APEO (Alkylphenolethoxylate), PFOA (perfluorooctanic acid) and PFCAs (perfluorocarboxylic acids) with longer chains.
- Itoguard E6 liq. is nonflammable.

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
Solid Content	20 %

3. Application

Itoguard E6 liq. can be applied by padding and foam methods. Depending on the type of fiber and requirements, the amount used for padding method is 15 - 70 g/l. Optimal pH for the finishing liquor is approximately 4-5.

Recommended Usage:

100% Cotton

30-60 g/l Itoguard E6 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



ITOGUARD E6 liq.

PES/Cotton

20-50 g/l Itoguard E6 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

20-40 g/l Itoguard E6 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 cases higher curing temperatures have a very beneficial effect on washing fastness.

*** Usage of crosslinking agents are proven to increase durability against washing.

4. Precautions for use

- Itoguard E6 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.

This technical brochure prepared by MEKSA Company serves the purpose of providing useful information to our customers. MEKSA makes no warranties, expressed or implied, about any results. It is strongly recommended for our customers to run tests under their standard processing conditions before use.