



ITOGUARD E6900 liq.

Technical Data Sheet

Introduction

Itoguard E6900 liq. is a nonionic fluorinated water/oil repellent for textiles made of synthetic and cellulosic fibers, especially cotton, polyester and their blends.

1. Features

- Itoguard E6900 liq. has an excellent performance providing superior water/oil repellence for synthetic and cellulosic textiles.
- Itoguard E6900 liq. provides an enhanced washing durability to various textiles.
- Itoguard E6900 liq. can be applied at lower curing temperatures without any change on performance.
- Itoguard E6900 liq. shows excellent compatibility with numerous textile auxiliaries, such as crosslinking agents, catalysts, softeners and many others, due to its nonionic nature. It is advised to run tests before application.
- Itoguard E6900 liq. does not contain any APEO (Alkylphenoethoxylate), PFOAs (perfluorooctanic acids) and PFCAs (perfluorocarboxylic acids) with longer chains.
- Itoguard E6900 liq.'s performance is effected by residues on textiles at a very low rate.
- Itoguard E6900 liq. is suitable for application on wool and silk.
- Itoguard E6900 liq. provides similar results after airdrying.
- Itoguard E6900 liq. is nonflammable.

2. Physical/Chemical Properties

Appearance	Liquid, milky white emulsion
pH (25 °C)	Acidic
Ionic charge	Nonionic
Solubility	Easily soluble in water
Flash Point	100°C
Solid content	30 %

3. Application

Itoguard E6900 liq. is to be applied by padding method. Depending on fiber type and the required effect, the recommended amount ranges between 20 - 80 g/l. Optimal pH of the finishing liquor is approximately 4-5.



ITOGUARD E6900 liq.

Recommended Usage:

100% Cotton

40-80 g/l Itoguard E6900 liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 140-170°C for 1-3 min

PES/Cotton

30-70 g/l Itoguard E6900 liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 140-170°C for 1-3 min

100% PES

20-50 g/l Itoguard E6900 liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 140-170°C for 1-3 min

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

** In some cases higher curing temperatures have shown to affect washing fastness in a positive manner.

*** Addition of crosslinking agents have proven to enhance washing durability properties of the textile.

4. Precautions for use

- Itoguard E6900 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.