



ITOGUARD E6555 Liq.

Technical Data Sheet

Introduction

ITOGUARD E6555 Liq. is a high-class fluorine-based water & oil repellent finishing agent for textiles made of synthetic and cellulosic fibers, especially cotton, polyester and their blends.

1. Features

- ITOGUARD E6555 Liq. is a water/oil repellent finishing agent, for synthetic and cellulose based fabrics, with superior properties and effect to other products in the market.
- ITOGUARD E6555 Liq. is compatible with numerous crosslinking agents, catalysts, softeners and other textile auxiliaries. Running tests before application is strongly recommended.
- ITOGUARD E6555 Liq. has an increased durability against washing.
- ITOGUARD E6555 Liq. is suitable for lower curing temperatures.
- ITOGUARD E6555 Liq. does not contain any APEO (Alkylphenoethoxylate), PFOAs (perfluorooctanic acid) and PFCAs (perfluorocarboxylic acids) with longer chains.
- ITOGUARD E6555 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
Solid Content	18 %

3. Application

ITOGUARD E6555 Liq. is to be applied by padding method. Depending on the fiber type and process requirements, the amount used for padding method ranges between 15 - 70 g/l. Optimal pH for the finishing liquor is approximately 4-5.

Recommended Usage:

100% Cotton

30-60 g/l ITOGUARD E6555 Liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 130-170°C for 1-3 min



ITOGUARD E6555 Liq.

PES/Cotton

20-50 g/l ITOGUARD E6555 Liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 130-170°C for 1-3 min

100% PES

20-40 g/l ITOGUARD E6555 Liq. (30-100% wet pickup)

Standard processing conditions:

- Drying at 100-120°C for 1-3 min.
- Curing at 130-170°C for 1-3 min

* For higher efficiency it is recommended to adjust pH between 4-6.

** At higher curing temperatures a positive effect on washing fastness can be expected.

4. Precautions for use

- ITOGUARD E6555 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 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.