

ITOGUARD LJ100 is a fluorochemical resin emulsion, which imparts oil and water repellency to all kinds of fabrics such as synthetic, and synthetic/natural, blends.

## PROPERTIES

- **Appearance** : White Milky Emulsion
- **Main Ingredient** : 20 % Solids
- **Ionic Character** : Weakly Cationic
- **pH** : Acidic
- **Shipping & Storage** : Non-Red Label. Being stored at temperatures between 5°C and 40°C is recommended

## APPLICATION

### In Padding:

- **ITOGUARD LJ100** : 5 - 50 g/l
- **Drying** : 120°C for 1 - 2 min.
- **Curing** : 170°C for 1 min

### In Exhaustion:

- **ITOGUARD LJ100** : 1 - 3 %
- **Liquor Ratio** : 10:1, at 40°C for 20 min.
- **Dehydrating and Drying** : 100°C
- **Curing** : 150°C for 2 min.

## CHARACTERISTICS

1. ITOGUARD LJ100 imparts excellent durability for all kinds of fabrics.
2. ITOGUARD LJ100 is not a flammable product. (Non red-label)
3. Tolerant to dyeing and processing residuals

## DISCLAIMER

The information herein offered is based on the best of our knowledge at present. However, we are not able to guarantee these matters, as the result of application may vary according to conditions adopted. Preliminary tests are, therefore, recommended in all cases. Please refer to MSDS regarding handling of the products.

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## PERFORMANCE (STANDARD TREATMENT FOR SYNTHETIC FABRICS)

### Treating conditions

Wet-pick up, 1 dip - 1nip

**Polyester (100%) (undyed)** 70%

**Nylon (100%) taffeta (dyed)** 30%

### Dry and Cure condition

**Dry** 110°C for 90 sec.

**Cure** 170°C for 60 sec.

### Water and Oil Repellency

ITOGUARD LJ100		Polyester (100%) (undyed)			Nylon (100%) taffeta (dyed)		
		10 g/L	15 g/L	20 g/L	10 g/L	15 g/L	20 g/L
Oil Repellency	Initial	6	6	7	5	6	6
	HL5	4	5	5	2	3	4
Water Repellency	Initial	100	100	100	100	100	100
	HL5	100	100	100	80	90	90

Oil Repellency was evaluated by AATCC 118-1989.

Water Repellency was evaluated by AATCC-22 Spray-Test.

HL5 : After 5 times home laundering. (Ratings were evaluated after line drying at 90°C x 180 sec.)