

ITOGUARD LJC6OR is a fluorocarbon imparting durable water absorbance, oil repellence as well as soil release properties to treated fabrics.

## PROPERTIES

- **Appearance** : Pale yellow transparent liquid
- **Main Component** : Fluorinated compound
- **Ionic Nature** : Nonionic
- **pH** : 4 - 6
- **Solubility** : Easily soluble in water

## APPLICATION

### In Padding (Woven):

- **ITOGUARD LJC6OR** : 50g/l
- **ITORESIN LJLF** : 70g/l
- **ITOCATALYST LJ33** : 20g/l
- **Dry** : 100°C x 1 minute
- **Cure** : 160°C x 1-2 minute

### In Padding (knit):

- **ITOGUARD LJC6OR** : 50g/l
- **ITOXLINKER LJ10** : 10g/l
- **Dry** : 100°C x 1 minute
- **Cure** : 160°C x 1-2 minute

## CHARACTERISTICS

1. Oil repellence prevents sebum stains from penetrating into fibre.
2. Water absorbent nature makes washing away and stains which penetrate the fibre much easier.
3. Water absorbent nature also makes wearing treated garment more comfortable due to retained moisture management properties.
4. Free from PFOA and PFOS being based on a C6 fluorocarbon base.
5. Wash durable.

## 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.

## APPENDIX

### Application example:

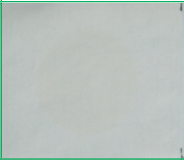

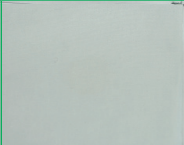
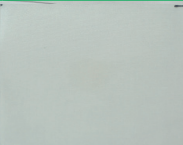
- **Fabric** : 100% Cotton Broad,65/35 Polyester/cotton
- **Process** : Padding
- **Pickup** : 80% (cotton), 65/35 (poly/cotton)
- **Dry** : 110°C x 2 minute
- **Cure** : 160°C x 2 minute
- **Test Method** :
  - Water absorbance - JISL-1907 6a-1 (titration method)
  - Oil repellence - AATCC 118
  - Soil Release - See below


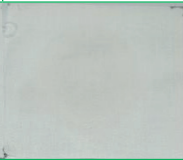


			Control	1	2
ITOGUARD LJC6OR				50g/l	50g/l
ITORESIN LJLF			70g/l	70g/l	70g/l
ITOCATALYST LJ33			20g/l	20g/l	20g/l
ITOSILICONE LJ88					20g/l
Cotton	Water Absorbance (sec.)	Initial	3	11	4
		10 HL	5	6	5
	Oil Repellence (grade)	Initial	0	5	5
		10HL	0	3-4	2
	Soil Release (grade)	Initial	1-2	4-5	4
		10 HL	1-2	4-5	4
Poly / Cotton	Water Absorbance (sec.)	Initial	10	>300	30
		10 HL	4	>300	200
	Oil Repellence (grade)	Initial	0	6+	5-6
		10 HL	0	5-6	3-4
	Soil Release (grade)	Initial	1-2	4-5	4
		10 HL	1-2	4-5	4

## APPENDIX

Staining test: A drop of the stain medium, (Diamond paste solution), was placed onto the sample. A 500g weight was placed onto the stain/sample for 1 minute. Upon removal of the weight the sample was left for 1 hour at room temperature before being laundered according to test method no 1-3. After drying a visual check was performed and the stain release property graded.

### Example staining test results

Cotton	Initial	HL 10
Untreated		
Treated		

Poly/Cotton	Initial	HL 10
Untreated		
Treated		

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