

# ITOGUARD LJC6PGA

A FLUORINATED WATER OIL AND GREASE RESISTANT AGENT FOR FOOD CONTACT PAPERS



ITOGUARD LJC6PGA is a fluorinated oil and grease resistant agent for paper and paper board.

## PROPERTIES

- **Appearance** : Pale Yellow to Brown Liquid
- **Ionic Character** : Anionic
- **pH** : 3.0 - 7.0
- **Solubility** : Easily diluted in water
- **Solids content** : 20%
- **Specific Gravity (20°C)** : 1.06
- **Storage** : Between 0 and 40°C

## APPLICATION

**In External Sizing Method (size press, coating):**

- **ITOGUARD LJC6PGA** : 0.2 % Total FC solids)
- **pH** : 6 - 9
- **Drying** : 100 - 130°C

## CHARACTERISTICS

1. Gives excellent water and grease resistance to paper and paper board
2. US FDA's Inventory of Effective Food Contact Substance Notification. Conditions A to H and J (including microwave susceptor applications)\*
3. BfR XXXVI approval (paper and paper board with food contact)\*
4. BFRXXXVI/2 approval (paper and paper board with food contact.\*
5. For both FDA and BfR the maximum dose is up to 4%..

## 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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## APPLICATION GUIDE

### Bleached Paper

- **pH** : 6 - 9
- **Temperature** : 40-65°C
- **Drying** : 105°C x 70 seconds

FC Solids in size press solution	Starch Solids in size press solution	Kit Value	Hot Corn Oil Repellence
0.2%	0%	7.0	Excellent
0.2%	2%	7-8	Excellent
0.2%	5%	6-7	Excellent

### Coater using pond size press

FC Solids on sheet	Starch Solids in size press solution	Paper	Kit Value	Hot Corn Oil Repellence
1kg/t	6%	Bleached	8-9	Excellent
2kg/t	6%	Bleached	8-9	Excellent
1kg/t	6%	Unbleached	5	Excellent
2kg/t	6%	Unbleached	6-7	Excellent

### Unbleached Paper

- **pH** : 6 - 9
- **Temperature** : 40-65°C
- **Drying** : 105°C x 70 seconds

FC Solids in size press solution	Starch Solids in size press solution	Kit Value	Hot Corn Oil Repellence
0.2%	0%	3	Excellent
0.2%	2%	4-5	Excellent
0.2%	5%	5-6	Excellent

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