

ITOGUARD LJC6MUL is a PFOA free, durable water and oil repellent finish for textiles.

PROPERTIES

- **Appearance** : Off white emulsion
- **Solids Content** : 30%
- **Ionic Character** : Weakly Cationic
- **Solubility** : Readily dissolves in cold water
- **pH** : 2.0 – 5.0
- **Storage** : Store between -5°C and 30°C

APPLICATION

In Padding:

- **ITOGUARD LJC6MUL** : 10-80 g/l
- **Drying** : 100°C for 1 min.
- **Curing** : 180°C for 2 min

In Exhaustion:

- **ITOGUARD LJC6MUL** : 1-8 %
- **Liquor Ratio** : 10:1, at 40°C for 20 min.
- **Drying** : 100°C for 1 min.
- **Curing** : 180°C for 2 min

CHARACTERISTICS

1. Imparts excellent water and oil repellence to all fabric types.
2. Excellent durability, particularly on synthetic fibers.
3. C6 chemistry and therefore PFOA free.
4. Imparts a soft handle compared to other fluorocarbon finishes.
5. Excellent storage stability.
6. Non Flammable.

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.

MAGNACOLOURS[®]
IMAGINATION INK™



MagnaColours Limited
Upper Cliffe Road,
Dodworth Business Park,
Barnsley, S75 3SP, UK

T: 00 44 (0) 1226 731751
F: 00 44 (0) 1226 731752
E: info@magnacolours.com
www.magnacolours.com

Company registered in
England No. 01378495,
VAT No. GB 997 3172 70



APPENDIX

Example pad application

Pickup:

| | |
|--------|-----|
| Nylon | 26% |
| PET | 71% |
| Cotton | 63% |

Curing:

| | |
|--------|--------------------|
| Nylon | 170°C x 30 seconds |
| PET | 170°C x 30 seconds |
| Cotton | 160°C x 3 min |

Laundering

AATCC-135

| | | | Other | ITOGUARD LJC6MUL | Other |
|-----------------------------|--------|-------|-------|------------------|-------|
| Water Repellence (AATCC 22) | Nylon | 2g/l | 3g/l | 70 | 70 |
| | | 4g/l | 6g/l | 90 | 80 |
| | | 8g/l | 12g/l | 100 | 100 |
| | PET | 2g/l | 3g/l | 0 | 0 |
| | | 4g/l | 6g/l | 80 | 70 |
| | | 8g/l | 12g/l | 100 | 100 |
| | Cotton | 24g/l | 36g/l | 100 | 100 |
| | | 32g/l | 48g/l | 100 | 100 |
| | | 48g/l | 72g/l | 100 | 100 |
| Oil Repellence (AATCC 118) | Nylon | 2g/l | 3g/l | 6 | 5 |
| | | 4g/l | 6g/l | 6 | 5 |
| | | 8g/l | 12g/l | 6 | 5 |
| | PET | 2g/l | 3g/l | 7 | 6 |
| | | 4g/l | 6g/l | 7 | 6 |
| | | 8g/l | 12g/l | 7 | 6 |
| | Cotton | 24g/l | 36g/l | 8 | 1 |
| | | 32g/l | 48g/l | 5 | 3 |
| | | 48g/l | 72g/l | 6 | 4 |

APPENDIX

Durability performance

Curing:

Nylon 170°C x 30 seconds

PET 170°C x 30 seconds

Cotton 160°C x 3 min

| | | | ITOGUARD LJC6MUL | Other |
|-----------------------------|--------|------|------------------|-------|
| Water Repellence (AATCC 22) | Nylon | HLO | 100 | 100 |
| | | HL10 | 100 | 100 |
| | | HL20 | 100 | 90 |
| | PET | HLO | 100 | 100 |
| | | HL10 | 100 | 100 |
| | | HL20 | 100 | 90 |
| | Cotton | HLO | 100 | 100 |
| | | HL10 | 100 | 100 |
| | | HL20 | 100 | 90 |
| Oil Repellence (AATCC 118) | Nylon | HLO | 6 | 5 |
| | | HL10 | 5 | 5 |
| | | HL20 | 5 | 5 |
| | PET | HLO | 7 | 7 |
| | | HL10 | 7 | 6 |
| | | HL20 | 6 | 4 |
| | Cotton | HLO | 6 | 5 |
| | | HL10 | 6 | 4 |
| | | HL20 | 6 | 4 |