

ITOFLAM CPNLF is an organo phosphorous based low formaldehyde flame retardant specifically for pad application onto 100% cotton fabrics to provide 50 wash durability at 60°C.

## PROPERTIES

- **Appearance** : Clear viscous slightly yellow liquid
- **Solids Content** : Min 80%
- **Solubility** : Miscible
- **pH** : 4 - 6
- **Storage Stability** : 12 months when kept below 40°C
- **Shelf Life** : 12 months
- **Free Formaldehyde** : <0.1%

## APPLICATION

### In Padding:

- **ITOFLAM CPNLF** : 350 - 450 g/l
- **Melamine resin** : 50-60g/l
- **Phosphoric Acid (80%)** : 20-25g/l
- **Pick-up** : Assuming 80% pickup
- **Drying** : 120°C for 1 min.
- **Curing** : 170°C for 2 min.
- **Alternative Lower Temperature Cure** : 150°C for 4min.
- **Wash** : 55°C with non ionic detergent and soda ash then rinse.
- **Dry** : 110°C

## CHARACTERISTICS

1. Highly durable to both washing and dry cleaning on all cellulosic fabrics
2. Non toxic
3. Non yellowing with high heat stability
4. No effect on fabric handle
5. Compatible with various other finishing agent
6. Applicable to workwear, military uniforms, tents and other high wash durability requirement end uses.
7. Very low formaldehyde content

## 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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