

ITOFLAM PBA is a phosphorous based flame retardant that is durable to multiple washing on 100% cotton fabrics.

PROPERTIES

- **Appearance** : Colourless to slightly yellow liquid
- **Main Ingredient** : Tetrakis Hydroxymethyl Phosphonium Sulphate (THPS)
- **Active Phosphorous** : 10% (minimum)
- **Viscosity (20°C)** : 30 mPa.s
- **Solubility** : Miscible with water in all proportions
- **pH** : 4 - 5
- **Solids Content** : 73 - 77%
- **Stability** : 12 month shelf life if stored between 5°C and 40°C

APPLICATION

In Padding*:

- **ITOFLAM PBA** : 300 - 500 g/l
- **ITOWET LJ10** : 0.1 - 0.5 g/l
- **Pickup** : Assuming 80%
- **Drying (retains 10-15% moisture)** : 110°C for 2 min.
- **Curing** : Ammonia Gas Chamber**

Oxidative Wash (Jig):

- **Hydrogen peroxide (35%)** : 45 g/l (run 4 ends)
- **Soda Ash (fresh bath)** : 5 g/l (run 2 ends)
- **Rinse** : 60°C (run 2 ends)
- **Rinse** : cold (run 2 ends)

* Fabrics should be de-sized, scoured/Bleached, dyed or printed prior to application. Require the use of dyes that are fast to reductive and oxidative processes.

** The fabric is passed through an Ammonia Gas chamber where the ammonia causes the ITOFLAM PBA to become insoluble within the cotton fabric and thus imparting durability to multiple launderings. The durability is further increased by oxidation and also eliminates residual phosphorous odours.

CHARACTERISTICS

1. Permanent flame retardancy on 100% cotton fabrics
2. Halogen free
3. Complies with various flame retardance specifications

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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