

# NOBLAZE

## WLP PRODUCT INFORMATION

### DESCRIPTION

**NOBLAZE WLP** is specially formulated as flame retardant for wool. It shows outstanding flame resistant performance and durable for washing. After flame retardant treatment, the character of wool will be maintained and softer.

|                      |  |
|----------------------|--|
| <b>PRODUCT NAME</b>  | <b>NOBLAZE WLP</b>   |
| <b>CHEMICAL NAME</b> | Mixture of Potassium Hexafluorotitanate and Potassium Fluozirconate salts. |

### SPECIFICATIONS

| <b>PARAMETERS</b> | <b>LIMITS</b>        |
|-------------------|----------------------|
| Appearance        | White Powder         |
| Active Content, % | 98 min               |
| Solubility        | Solute in hot water. |

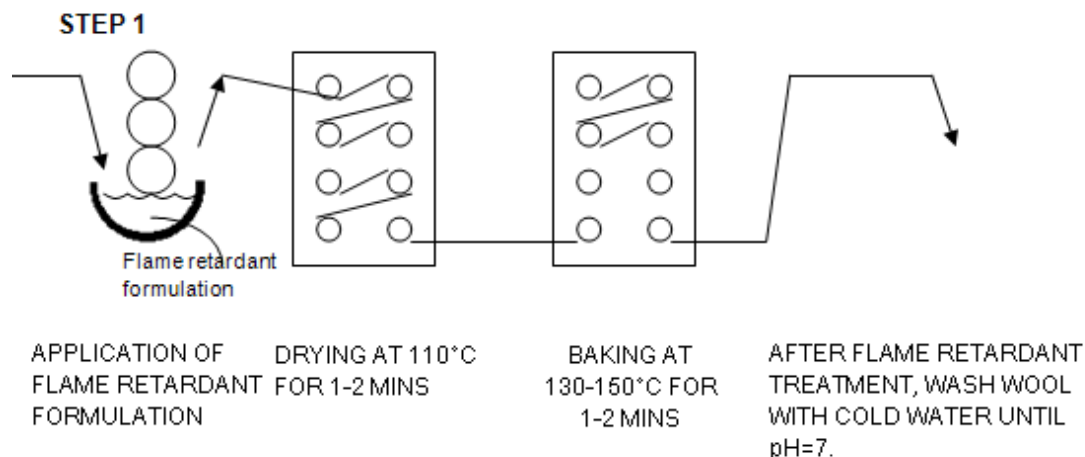
### APPLICATIONS & PROCEDURE

#### Flame Retardant Treatment Guidance:

|                                   |                               |
|-----------------------------------|-------------------------------|
| <b>Quantity Chemical</b>          | 3 - 7%                        |
| <b>Ratio: (NOBLAZE WLP:Water)</b> | 1 : 20                        |
| <b>pH Value</b>                   | ≤ 3 (adjust with Formic Acid) |
| <b>Temperature</b>                | 80 – 100 °C                   |
| <b>Process Time</b>               | 30-40 minutes                 |

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- 1) Flame retardant solution can be prepared based on the total weight of wool. The optimal used chemical level is 3-7% of total weight of wool. (30-70gram flame retardant chemical per 1 kg wool).
- 2) Flame retardant chemical solution can be diluted with water at ratio: 1:20 (NOBLAZE WLP: Water) in container. The pH of chemical has to adjust with formic acid until the pH  $\leq 3$ .
- 3) Soak the wool into chemical solution for 30-40 minutes and go into oven chamber for drying at 110°C for 1-2 minutes. Later go to baking process at 130-150°C for 1-2 minutes.
- 4) After flame retardant treatment, wash the wool with cool water until it reaches to neutral pH and dry it. With all these procedures, flame retardant treatment is completed.

#### **CAUTION:**

- 1) No any pre-treatment is required.
- 2) After flame retardant treatment, wool cannot neutralize by alkaline solution and it must be wash with cold water.
- 3) Sulfate and Phosphate salts can not be used in the flame retardant treatment; it will affect performance of flame-resistant.

#### **PACKING**

25kg, 50kg and 100kg per bag.

#### **TRANSPORT INFORMATION**

Non-Dangerous Cargo

The above information is, to the best of our knowledge, true and accurate, but any recommendations or suggestions which may be made are without guarantee, since the conditions of use are beyond our control.

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