



# TEXOBOND PV<sup>®</sup>

*Texobond PV is a chemically modified viscosity binder, which has been specially developed for 100% Cotton yarn & synthetic blends also for Denim and Terry Towels.*

## Description

**Texobond PV** is particularly developed for the Textile Industry as a total replacement of Polyvinyl Alcohol in warp sizing and partial replacement of Acrylic & CMC.

**Texobond PV** contains mixture of organic material and Polymers thus has proved its ability in the sizing application to replace PVA 45-100% depends on the fabric construction also has proved practically on Weaving looms increasing insignificant Weaving efficiencies by 8-10%, most suited for Air-Jet, Projectile and Rapier looms.

The main advantage of the class over Synthetic size is that their molecular structure can be widely varies to meet all requirements of Textile fibre and yarn. It binds all protruding fibre of Cotton in to the cylindrical form with soft coating, which does not affect the fabric feel.

On the same solid content basis sizing solution prepared from good blend of **Texobond PV** with a Textile grade Polyvinyl Alcohol, will function as good as those prepared from Polyvinyl Alcohol alone because it has characteristics of Polyvinyl Alcohol, Acrylic size monomers & Polymers.

## Technical Data Sheet

### Chemical Properties

Colour: Off white Liquid  
Active Contents: 18% Solids  
pH: 6.0 – 7.0

### Characteristics

1. A shorter cooking time
2. Higher fluidity
3. Increased adhesiveness
4. Superior flexibility
5. Lower rate of congealing
6. Gives a much clearer transparent flexible film.
7. Requires less higher prices synthetic sizing compounds
8. Flows through the pipe lines freely and drains out of kettle storage tank and size box without leaving any hard size.
9. Remains at constant viscosity with continued circulation.
10. Improves abrasion resistance of yarn.
11. Reduces hairiness of yarn.
12. Easy to de-size.
13. Environment friendly and no ozone fading.
14. Less expensive with better working at low pick up.
15. Washed out quickly without enzymes.

### Preparation

A solution of **Texobond PV** can be produced easily simply add the required quantity to cold water while stirring bring the mixture to the boil, no pressure-cooking is required. Continue boiling for 15 – 20 minutes at temperature 90°C – 95°C, the solution is now ready to use.



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Recommended dose is based on one to one kilo replacement of PVA depending on the count and yarn condition that varies mill-to-mill application & requirements.

Substantial saving in steam consumption has been acclaimed thus sizing cost per kg. of yarn is very much reduced and compared with vegetable size available.

### **Packing**

120kg plastic drum

### **Storage**

**Texobond PV** can be stored for six months under cool and well-ventilated conditions from the date of manufacturing. Container should be capped all the time and keep product away from heat. Should not exceed 35° C, Close lids firmly to avoid contact with air and moisture.

### **Shelf Life**

06 months from the date of manufacturing, when stored under controlled conditions.

ISSUED: January-2019