



**PVC Resin**  
Eastern USA

**Initial Conditions**

This manufacturer of PVC resins sought to increase production on their secondary filtration process. The manufacturer tried acrylic-coated polyester filter bags, which yielded a modest increase in production, yet too little to offset costs.

| <b>Conditions</b> |                    |                     |                |
|-------------------|--------------------|---------------------|----------------|
| *Pressure Drop    | <u>&lt;5" w.g.</u> | *Air to Cloth Ratio | <u>5.2 : 1</u> |
| *Min. Temperature | <u>120° F</u>      | *Max. Temperature   | <u>240° F</u>  |
| *Bag Length       | <u>76"</u>         | *Bag Width          | <u>4.5"</u>    |

**Success Story**

Replacing the acrylic-coated polyester material with Tetratex® membrane bonded to 16 oz. polyester enabled the manufacturer to achieve the desired increase in airflow (30%) and additional production. Further, the life of the Tetratex® membrane bags proved to be twice the life of the replaced filter bags.

A local bag supplier provided the 432 filter bags with a snap band top for the Mikropul Pulse Jet bottom entry dust collector. After two years of operation, plant managers report both increased production and reduced down time for maintenance, thus exceeding the PVC resin manufacturer's expectations.

**Summary**

Field applications establish Tetratex® as the premier filter medium for production managers facing a vast array of pollution control difficulties. Expanded PTFE membrane provides a surface filtration solution, making it the Best Available Technology of filtration in the market today.