

## SUCCESS STORY

### Carbon Black Korea

#### Problems

Customer was suffering from short bag life at purge bag house. Average bag life was about 3 to 4 months. Customer had to stop production for 15hours to replace bag. Production capacity of this line is 42 ton per day, which means that company lost about 26 ton production at every replacement.

#### Data

*Design Flow	<u>23,100m<sup>3</sup>/hr @ 250 °C</u>	*Air to Cloth Ratio	<u>0.47: 1</u>
*Inlet Dust Loading	<u>147 gm/Nm<sup>3</sup></u>	*Baghouse Type	<u>ReverseAir</u>
*Bag Quantity	<u>196 pcs</u>	*Bag Size	<u>203mm dia x 4500mm lg</u>

#### Solutions

Replaced local three components finished fiberglass bag with 196pcs TETRATEX® membrane/10oz acid resistant fiberglass fabric filter bags.

#### Results

The bag life of TETRATEX® membrane/10oz acid resistant fiberglass bag was 18months. Company saved on frequent bag replacement costs, labor expenses and achieved  $26 \times 3 = 78$  ton more in product output.