

## Adsorb-it® Filtration Fabric Physical Test Results

To understand all the physical properties of the Adsorb-it® filter fabric, and to help in developing other applications, additional physical testing was conducted.

Results of these physical tests are presented in the table below.

### Results

| Test                         | Method #   | Result  | Units                   |
|------------------------------|------------|---------|-------------------------|
| Mass Per Unit Area           | ASTM 5261  | 12.8    | oz/yd <sup>2</sup>      |
| Grab Tensile LD*             | ASTM D4632 | 118     | lbs                     |
| Grab Tensile CD*             | ASTM D4632 | 89      | lbs                     |
| Elongation at Peak LD*       | ASTM D4632 | 131     | percent                 |
| Elongation at Peak CD*       | ASTM D4632 | 172     | percent                 |
| Wide Width Tensile LD*       | ASTM D4595 | 33      | lbs/in                  |
| Wide Width Tensile CD*       | ASTM D4595 | 23      | lbs/in                  |
| Elongation at Break LD*      | ASTM D4595 | 106     | percent                 |
| Elongation at Break CD*      | ASTM D4595 | 163     | percent                 |
| Puncture Resistance          | ASTM D4833 | 72      | lbs                     |
| Trapezoid Tear Strength LD*  | ASTM D4533 | 64      | lbs                     |
| Trapezoid Tear Strength CD*  | ASTM D4533 | 45      | lbs                     |
| Mullen Burst Strength        | ASTM D3786 | 135     | psi                     |
| Permittivity (Constant Head) | ASTM D4491 | 2.02    | sec-1                   |
| Permeability                 | ASTM D4491 | 0.72    | cm/sec                  |
| Flow Rate                    | ASTM D4491 | 151     | gal/min/ft <sup>2</sup> |
| Apparent Opening Size        | ASTM D4751 | 100-150 | mm                      |

\*Note: LD=Lengthwise Direction (Machine Direction)

CD=Crosswise Direction (Transverse Direction)