

## Checkmate GTX150 Comparison

| <i>Properties</i>            | <i>Test Method</i> | <i>Units</i> | <b>GTX150</b> | SI 501     | Propex 4550 | Propex 4551 |
|------------------------------|--------------------|--------------|---------------|------------|-------------|-------------|
| Mass                         | ASTM D5261         | oz/yd2       | 4.5           | 4.8        | NA          | NA          |
| Thickness                    | ASTM D5199         | mils         | 66            | 55         | NA          | NA          |
| <b>Grab Tensile Strength</b> | <b>ASTM D4632</b>  | <b>lbs</b>   | <b>150</b>    | <b>150</b> | <b>135</b>  | <b>160</b>  |
| Grab Elongation              | ASTM D4632         | %            | 83.6          | 50         | 50          | 50          |
| Puncture Strength            | ASTM D4833         | lbs          | 85.7          | 85         | 80          | 90          |
| Mullen Burst                 | ASTM D3786         | psi          | 226           | 280        | 270         | 310         |
| Trapezoidal Tear             | ASTM D4533         | lbs          | 69.4          | 60         | 56          | 65          |
| Apparent Opening Size        | ASTM D4751         | Sieve        | 120           | 70         | 70          | 70          |
| Permittivity                 | ASTM D4491         | sec-1        | 1.44          | 1.4        | 1.7         | 1.5         |
| Water Flow Rate              | ASTM D4491         | gpm/ft2      | 108           | 115        | 120         | 120         |

## Checkmate GTX200 Comparison

| <i>Properties</i>            | <i>Test Method</i> | <i>Units</i> | <b>GTX200</b> | SI 601     | Propex 4552 | Propex 4553 |
|------------------------------|--------------------|--------------|---------------|------------|-------------|-------------|
| Mass                         | ASTM D5261         | oz/yd2       | 6.5           | 5.0        | NA          | NA          |
| Thickness                    | ASTM D5199         | mils         | 97            | 60         | NA          | NA          |
| <b>Grab Tensile Strength</b> | <b>ASTM D4632</b>  | <b>lbs</b>   | <b>187.8</b>  | <b>160</b> | <b>180</b>  | <b>203</b>  |
| Grab Elongation              | ASTM D4632         | %            | 67.6          | 50         | 50          | 50          |
| Puncture Strength            | ASTM D4833         | lbs          | 101           | 85         | 105         | 120         |
| Mullen Burst                 | ASTM D3786         | psi          | 306           | 280        | 330         | 380         |
| Trapezoidal Tear             | ASTM D4533         | lbs          | 83            | 60         | 75          | 80          |
| Apparent Opening Size        | ASTM D4751         | Sieve        | 120           | 70         | 70          | 70          |
| Permittivity                 | ASTM D4491         | sec-1        | 1.41          | 1.3        | 1.5         | 1.5         |
| Water Flow Rate              | ASTM D4491         | gpm/ft2      | 105.3         | 110        | 110         | 110         |

## Checkmate GTX250 Comparison

| <i>Physical</i>              | <i>Test Method</i> | <i>Units</i> | <b>GTX250</b> | SI 801     | Propex 4553 | Propex 4510 |
|------------------------------|--------------------|--------------|---------------|------------|-------------|-------------|
| Mass                         | ASTM D5261         | oz/yd2       | 7.5           | 6.5        | NA          | 10          |
| Thickness                    | ASTM D5199         | mils         | 120           | 70         | NA          | NA          |
| <b>Grab Tensile Strength</b> | <b>ASTM D4632</b>  | <b>lbs</b>   | <b>241.1</b>  | <b>205</b> | <b>203</b>  | <b>250</b>  |
| Grab Elongation              | ASTM D4632         | %            | 81.5          | 50         | 50          | 50          |
| Puncture Strength            | ASTM D4833         | lbs          | 116.8         | 110        | 120         | 155         |
| Mullen Burst                 | ASTM D3786         | psi          | 351           | 350        | 380         | 520         |
| Trapezoidal Tear             | ASTM D4533         | lbs          | 108           | 85         | 80          | 100         |
| Apparent Opening Size        | ASTM D4751         | Sieve        | 100           | 80         | 70          | 100         |
| Permittivity                 | ASTM D4491         | sec-1        | 1.4           | 1.5        | 1.5         | 1.2         |
| Water Flow Rate              | ASTM D4491         | gpm/ft2      | 103.8         | 110        | 110         | 85          |

## Checkmate GTX300 Comparison

| <i>Physical</i>              | <i>Test Method</i> | <i>Units</i> | <b>GTX300</b> | SI1001     | Propex4510 | Propex4516 |
|------------------------------|--------------------|--------------|---------------|------------|------------|------------|
| Mass                         | ASTM D5261         | oz/yd2       | 10            | 8.5        | 10         | 16         |
| Thickness                    | ASTM D5199         | mils         | 144           | 100        | NA         | NA         |
| <b>Grab Tensile Strength</b> | <b>ASTM D4632</b>  | <b>lbs</b>   | <b>345</b>    | <b>250</b> | <b>250</b> | <b>390</b> |
| Grab Elongation              | ASTM D4632         | %            | 80            | 50         | 50         | 50         |
| Puncture Strength            | ASTM D4833         | lbs          | 153           | 150        | 155        | 240        |
| Mullen Burst                 | ASTM D3786         | psi          | 467           | 460        | 520        | 750        |
| Trapezoidal Tear             | ASTM D4533         | lbs          | 151           | 100        | 100        | 150        |
| Apparent Opening Size        | ASTM D4751         | Sieve        | 120           | 100        | 100        | 100        |
| Permittivity                 | ASTM D4491         | sec-1        | 1.4           | 1.2        | 1.2        | 0.7        |
| Water Flow Rate              | ASTM D4491         | gpm/ft2      | 102.9         | 85         | 110        | 50         |