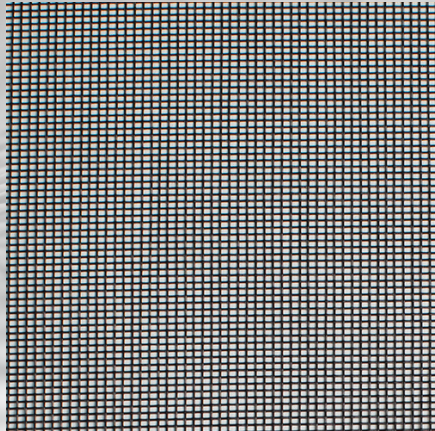




**TEXTILENE**<sup>®</sup>  
BRAND FABRIC  
**nano**™ 50/55/60

TEXTILENE<sup>®</sup> nano™ 50



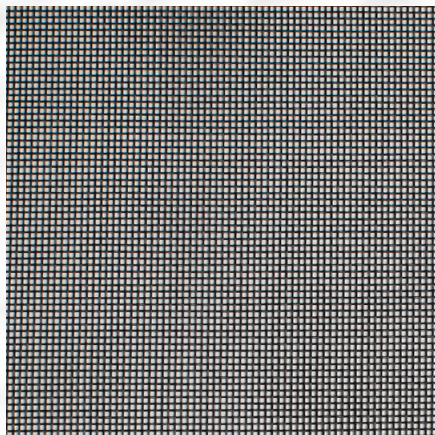
Black  
T18FBS006 x 36"  
T18FBS007 x 48"  
T18FBS011 x 60"  
T18FBS001 x 72"  
T18FBS005 x 84"  
T18FBS002 x 96"  
T18FBS004 x 108"  
T18FBS016 x 120"  
T18FBS032 x 126"  
T18FBS034 x 144"



Due to the technical limitations of digital cameras and inconsistencies of display monitors, the characteristics and colors of the fabrics seen on your screen may be slightly different than the actual product.

White  
T18FBS015 x 120"

TEXTILENE<sup>®</sup> nano™ 55

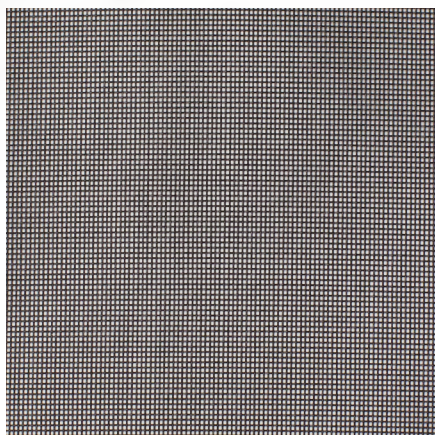


Black  
T18FFS003 x 120"  
T18FFS010 x 126"



White  
T18FFS006 x 120"  
T18FFS011 x 126"

TEXTILENE<sup>®</sup> nano™ 60



Black  
T18FHS008 x 36"  
T18FHS001 x 48"  
T18FHS009 x 60"  
T18FHS006 x 72"  
T18FHS010 x 84"  
T18FHS002 x 96"  
T18FHS005 x 108"  
T18FHS003 x 120"  
T18FHS022 x 126"

Over the years TEXTILENE<sup>®</sup> nano™ 50/55/60 has provided innovative technology for multiple applications. Our TEXTILENE<sup>®</sup> nano™ 50/55/60 fabrics offer superior performance characteristics and is covered by Twitchell's™ ten-year limited warranty.

Metric Conversions

|                 |                  |
|-----------------|------------------|
| 36" = 91.44 cm  | 96" = 243.84 cm  |
| 48" = 121.92 cm | 108" = 274.32 cm |
| 60" = 152.4 cm  | 120" = 304.8 cm  |
| 72" = 182.88 cm | 126" = 320.04 cm |
| 84" = 213.36 cm |                  |

**\*Custom colors and widths available. Minimum order of 1000 yds. Upcharges may apply.**

**\*\* Available in 33.3 lbd rolls.**



# Specifications

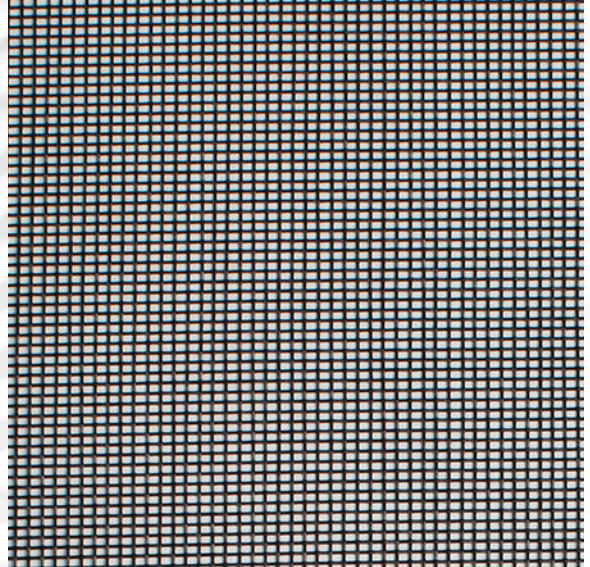


## Technical Data

**Product Description:** A fabric using .014" diameter vinyl coated 420 denier polyester core yarns woven in the warp and fill direction.

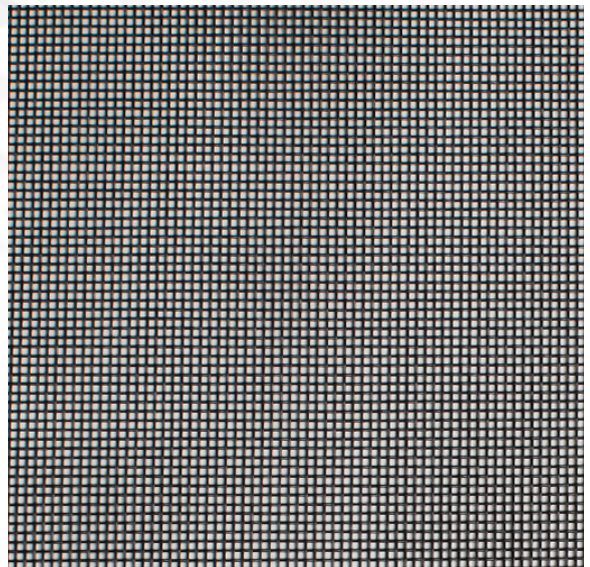
### Textilene® nano™ 50 - Item Number: T18FBS

| Attribute  | ASTM           | Warp                     | Fill          | Typical |
|--|----------------|--------------------------|---------------|---------|
| Construction, end/inch   | D3775-12       | 17.0 ±0.5                | 14.0 ±0.5     |         |
| Weight, oz/yd <sup>2</sup>                                     | D3776-09       | -                        | -             | 5.9     |
| Weight, g/m <sup>2</sup>                                       | D3776-09       | -                        | -             | 200     |
| Tensile Strength (grab), lbf /daN                              | D5034-09       | 229.2 / 102              | 230.7 / 102.6 |         |
| Tensile Strength (strip), lbf /daN                             | D5035-11       | 111.6 / 49.6             | 85.5 / 38     |         |
| Tear Strength (trapezoidal), lbf /daN                          | D5733          | 24.9 / 11.1              | 42.9 / 19.1   |         |
| Elongation, %  | D5035-11       | 29.8                     | 21.6          |         |
| Abrasion Resistance<br>(CS10/500 cycles/ with no added weight) | D3884-09       | No Exposure of Core Yarn |               |         |
| Flammability Rating  | CA TB 117-2013 |                          |               |         |
| Weatherability, 1200 hours                                     | G154           | Trace Discoloration      |               |         |
| Mildew Resistance  | G21-13         | No Growth                |               |         |
| Thickness, inches/mm   | D1777-96       | 0.021" / 0.533mm         |               |         |



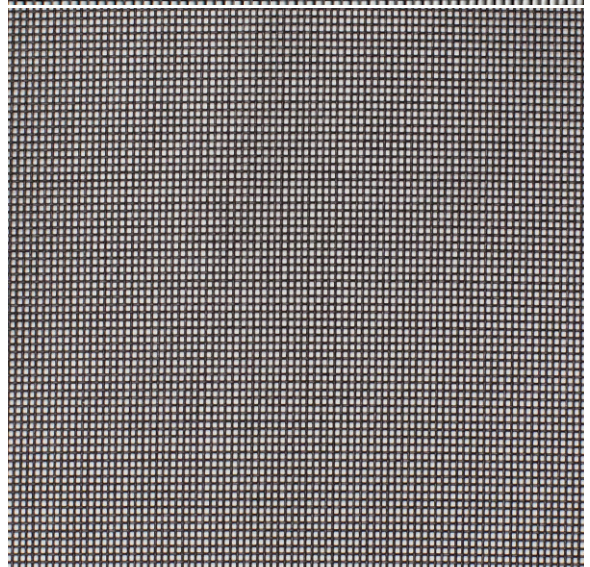
### Textilene® nano™ 55 - Item Number: T18FFS

| Attribute  | ASTM           | Warp                     | Fill         | Typical |
|--|----------------|--------------------------|--------------|---------|
| Construction, end/inch   | D3775-12       | 17.0 ±0.5                | 17.0 ±0.5    |         |
| Weight, oz/yd <sup>2</sup>                                     | D3776-09       | -                        | -            | 7.1     |
| Weight, g/m <sup>2</sup>                                       | D3776-09       | -                        | -            | 240.7   |
| Tensile Strength (grab), lbf /daN                              | D5034-09       | 273.3 / 121.6            | 339.4 / 151  |         |
| Tensile Strength (strip), lbf /daN                             | D5035-11       | 100.9 / 44.9             | 116.1 / 51.6 |         |
| Tear Strength (trapezoidal), lbf /daN                          | D5733          | 28.2 / 12.5              | 25.7 / 11.4  |         |
| Elongation, %  | D5035-11       | 21.5                     | 29.9         |         |
| Abrasion Resistance<br>(CS10/500 cycles/ with no added weight) | D3884-09       | No Exposure of Core Yarn |              |         |
| Flammability Rating  | CA TB 117-2013 |                          |              |         |
| Weatherability, 1200 hours                                     | G154           | Trace Discoloration      |              |         |
| Mildew Resistance  | G21-13         | No Growth                |              |         |
| Thickness, inches/mm   | D1777-96       | 0.022" / 0.5588mm        |              |         |



### Textilene® nano™ 60 - Item Number: T18FHS

| Attribute  | ASTM           | Warp                     | Fill          | Typical |
|--|----------------|--------------------------|---------------|---------|
| Construction, end/inch   | D3775-12       | 17.0 ±0.5                | 20.0 ±0.5     |         |
| Weight, oz/yd <sup>2</sup>                                     | D3776-09       | -                        | -             | 7.3     |
| Weight, g/m <sup>2</sup>                                       | D3776-09       | -                        | -             | 247.5   |
| Tensile Strength (grab), lbf /daN                              | D5034-09       | 274.1 / 121.9            | 232.6 / 103.5 |         |
| Tensile Strength (strip), lbf /daN                             | D5035-11       | 122.8 / 54.6             | 107.6 / 47.9  |         |
| Tear Strength (trapezoidal), lbf /daN                          | D5733          | 35.5 / 15.8              | 32.6 / 14.5   |         |
| Elongation, %  | D5035-11       | 30.8                     | 25.4          |         |
| Abrasion Resistance<br>(CS10/500 cycles/ with no added weight) | D3884-09       | No Exposure of Core Yarn |               |         |
| Flammability Rating  | CA TB 117-2013 |                          |               |         |
| Weatherability, 1200 hours                                     | G154           | Trace Discoloration      |               |         |
| Mildew Resistance  | G21-13         | No Growth                |               |         |
| Thickness, inches/mm   | D1777-96       | 0.022" / 0.559mm         |               |         |



The above results are a representation of real data from single test samples. Presently no specification is incorporated.