

# GSE Nonwoven “Heavyweight” Geotextile

METRIC

GSE Nonwoven “Heavyweight” Geotextile is a family of staple fiber needlepunched geotextiles. The geotextiles are manufactured using an advanced manufacturing and quality system to produce the most uniform and consistent nonwoven needle-punched geotextile currently available in the industry. GSE combines a fiber selection and approval system with an in-line quality control and a state-of-the-art laboratory to ensure that every roll shipped meets customer specifications.



**AT THE CORE:**  
Heavyweight geotextiles are used for puncture protection and where extra strength is required.

## Product Specifications

These product specifications meet GRI GT12.

| Tested Property <sup>(1)</sup>             | Test Method | Frequency             | Minimum Average Roll Value |       |       |        |
|--------------------------------------------|-------------|-----------------------|----------------------------|-------|-------|--------|
|                                            |             |                       | NW20                       | NW24  | NW28  | NW32   |
| Mass per Unit Area, g/m <sup>2</sup>       | ASTM D 5261 | 8,300 m <sup>2</sup>  | 675                        | 810   | 950   | 1,080  |
| Grab Tensile Strength, N                   | ASTM D 4632 | 8,300 m <sup>2</sup>  | 1,980                      | 2,200 | 2,420 | 2,640  |
| Grab Elongation, %                         | ASTM D 4632 | 8,300 m <sup>2</sup>  | 50                         | 50    | 50    | 50     |
| CBR Puncture Strength, N                   | ASTM D 6241 | 50,000 m <sup>2</sup> | 6,392                      | 7,650 | 8,914 | 10,173 |
| Trapezoidal Tear Strength, N               | ASTM D 4533 | 8,300 m <sup>2</sup>  | 550                        | 880   | 1,100 | 1,190  |
| UV Resistance (% retained after 500 hours) | ASTM D 4355 | per formulation       | 70                         | 70    | 70    | 70     |
| TYPICAL ROLL DIMENSIONS                    |             |                       |                            |       |       |        |
| Roll Length <sup>(2)</sup> , m             |             |                       | 45.7                       | 45.7  | 45.7  | 45.7   |
| Roll Width <sup>(2)</sup> , m              |             |                       | 4.6                        | 4.6   | 4.6   | 4.6    |
| Roll Area, m <sup>2</sup>                  |             |                       | 209                        | 209   | 209   | 209    |

NOTES:

- <sup>(1)</sup>The property values listed are in weaker principal direction. All values listed are Minimum Average Roll Values except UV resistance which is a typical value.
- <sup>(2)</sup>Roll lengths and widths have a tolerance of ±1%.

GSE is a leading manufacturer and marketer of geosynthetic lining products and services. We've built a reputation of reliability through our dedication to providing consistency of product, price and protection to our global customers.

Our commitment to innovation, our focus on quality and our industry expertise allow us the flexibility to collaborate with our clients to develop a custom, purpose-fit solution.



**[ DURABILITY RUNS DEEP ]** For more information on this product and others, please visit us at [GSEworld.com](http://GSEworld.com), call 800.435.2008 or contact your local sales office.