

# GSE Nonwoven “Heavyweight” Geotextiles

GSE Nonwoven “Heavyweight” Geotextiles are a family of staple fiber needle-punched 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, oz/yd <sup>2</sup>	ASTM D 5261	90,000 ft <sup>2</sup>	20	24	28	32
Grab Tensile Strength, lb	ASTM D 4632	90,000 ft <sup>2</sup>	450	500	550	600
Grab Elongation, %	ASTM D 4632	90,000 ft <sup>2</sup>	50	50	50	50
CBR Puncture Strength, lb	ASTM D 6241	540,000 ft <sup>2</sup>	1,437	1,720	2,004	2,287
Trapezoidal Tear Strength, lb	ASTM D 4533	90,000 ft <sup>2</sup>	125	200	250	270
UV Resistance, % retained after 500 hours	ASTM D 4355	per formulation	70	70	70	70
TYPICAL ROLL DIMENSIONS						
Roll Length <sup>(2)</sup> , ft			200	200	150	150
Roll Width <sup>(2)</sup> , ft			15	15	15	15
Roll Area, ft <sup>2</sup>			3,000	3,000	2,250	2,250

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.