



Product Data Sheet

GSE CE Series Nonwoven Needleponched Geotextiles

Description

GSE "CE" Series geotextiles are staple fiber polypropylene nonwoven needleponched geotextiles developed and manufactured with the specific intent to meet AASHTO M288 requirements. These products are manufactured under a stringent quality management system which ensures that the product meets or exceeds the following specifications. They may also be produced with customized properties to meet the specific needs of customers and project requirements. GSE quality control laboratories are GAI LAP approved to provide a high level of confidence in the quality control data.

Specifications

TESTED PROPERTY	TEST METHOD	MINIMUM AVERAGE ROLL VALUE			
Product Code		CE3 (15' x 360') 600 sy CE3N* (12.5' x 360') 500 sy	CE4 (15' x 360') 600 sy CE4N* (12.5' x 360') 500 sy	CE6 (15' x 300') 500 sy CE6N* (12.5' x 360') 500 sy	CE8 (15' x 300') 500 sy CE8N* (12.5' x 360') 500 sy
Grab Tensile Strength, lb (N)	ASTM D 4632	90 (400)	120 (534)	160 (712)	205 (912)
Grab Elongation, %	ASTM D 4632	≥ 50	≥ 50	≥ 50	≥ 50
Puncture Strength, lb (N)	ASTM D 4833	55 (245)	65 (289)	90 (400)	120 (534)
Mullen Burst Strength, psi (kPa)	ASTM D 3786	175 (1,207)	230 (1,586)	280 (1,931)	350 (2,413)
Trapezoidal Tear, lb (N)	ASTM D 4533	40 (180)	50 (222)	60 (267)	85 (378)
UV Resistance (% retained after 500 hours)	ASTM D 4355	70	70	70	70
Apparent Opening Size, Sieve No. (mm)	ASTM D 4751	70 (0.212)	70 (0.212)	70 (0.212)	80 (0.180)
Permittivity, sec ⁻¹	ASTM D 4491	2.0	2.0	1.5	1.5
Flow rate, gal/min/ft ²	ASTM D 4491	150.0	140.0	110.0	110.0
AASHTO M288 Class		<3	3	2	1

NOTES:

- Note 1 – All values are minimum average roll values except apparent opening size in mm which is a maximum average roll value.
- Note 2 – All values in weaker principal direction.
- Note 3 – Roll lengths and widths have a tolerance of plus or minus 1%.
- * (N denotes Narrow).

Applications

- Unpaved Roads and Industrial Yards
- Paved Roads and Parking Lots
- Subsurface Drains
- Erosion Control
- Recreational Facilities
- Waste Handling Systems
- Landscaping

Standard

Meets AASHTO M288 Requirements

Availability

These CE products are available immediately from your GSE sales representative or distributor

DS032 CE Series 09/04/07

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