

# CCIS-1601C

## Non-Woven Geotextile

CCIS-1601C is a needle-punched nonwoven geotextile made of 100% virgin polypropylene staple fibers, which are formed into a random network for dimensional stability. CCIS-1601C resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2 to 13. GT-116 is NTPEP certified and meets requirements as per AASHTO Standards and/or D.O.T. Standards.

CCIS-1601C conforms to the Minimum Average Roll Values (MARV) listed below:

Property	Method	English (MARV2)	Metric (MARV2)
Grab Tensile Strength	ASTM D 4632	380 lbs.	1.690 kN
Grab Elongation	ASTM D 4632	50%	50%
Trapezoid Tear Strength	ASTM D 4533	145 lbs.	0.644 kN
CBR Puncture Resistance	ASTM D 6241	1080 lbs	4.804 kN
Permittivity <sup>4</sup>	ASTM D 4491	0.7 sec-1	0.7 sec-1
Water Flow <sup>4</sup>	ASTM D 4491	50 gpm/ft <sup>2</sup>	2035 l/min/m <sup>2</sup>
Apparent Opening Size (AOS) <sup>3&amp;4</sup>	ASTM D 4751	100 Std. U.S. Sieve	0.150 mm
UV Resistance	ASTM D 4355	70%/500 hrs.	70%/500 hrs.

Packaging		
Roll Dimensions (W x L)	15 x 150 ft.	4.6 m x 45.7 m
Area Per Roll	250 sq. yards	210.22 sq. meters
Estimated Roll Weight	250 lbs.	114 kg

### NOTES

1. The property values listed above are subject to change without notice.
2. Minimum Average Roll Values (MARV) is calculated as the average minus two standard deviations. Statistically, it yields approximately 97.5% degree of confidence that any samples taken from quality assurance testing will meet or exceed the values described above.
3. Maximum Average Roll Value (MaxARV)
4. At time of manufacturing. Handling may change these properties.

This information is provided for reference purposes only and is not intended as a warranty or guarantee. Cross Country assumes no liability in connection with the use of this information.

**For Pricing And Availability Contact Our  
Canadian Sales Team at 780-962-6559 or Visit [CrossCountryIS.com](http://CrossCountryIS.com)**