



**ULTRATECH**  
INTERNATIONAL, INC

## Ultra-Curb Guard Plus®

### Part# 9248/9251 - Field Test Data / Specification Sheet

The data provided in the tables below is extracted from the final report of Florida Department of Transportation (FLDOT) Project BDK78911-03 "Inlet Protection Devices and Their Effectiveness".

The project was conducted in the field by faculty and students of University of Central Florida's Stormwater Management Academy, under the supervision of the State of Florida's Hydraulics Engineer, between May 2008 and August 2010. This project was funded by the State of Florida (not the companies submitting their products) so the Stormwater Management Academy acted as an independent lab. The complete report is available upon request.

Peak Flow	
<u>Property</u>	<u>Value</u>
Peak Flow (GPM)	93.15
Peak Flow (GPM/FT <sup>2</sup> )	9.32
Peak Flow (CFS)	0.21
Peak Flow (CFS/FT)	0.021

Turbidity		Average Total Solids Values	
<u>Property</u>	<u>Value</u>	<u>Property</u>	<u>Value</u>
Average Upstream (NTU)	1410 NTU	Average Upstream (mg/L)	2609 mg/L
Average Downstream (NTU)	880 NTU	Average Downstream (mg/L)	1579 mg/L
Average Percent Removal	37.59%	Average Percent Removal	39.48%

Specifications on other side.



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### Material Specifications

<u>Property</u>	<u>Test Method</u>	<u>Value</u>
Material: Woven Monofilament Polypropylene Geotextile	----	----
Grab Tensile Strength	ASTM D 4632	370x200 lbs.
Elongation	ASTM D 4632	15%
Puncture Strength	ASTM D 4833	90 lbs.
Mullen Burst Strength	ASTM D 3786	450 psi
Trapezoid Tear Strength	ASTM D 4533	115x75 lbs.
UV Resistance (at 500 hrs)	ASTM D 4355	90%
Apparent Opening Size (AOS)	ASTM D 4751	40 U.S. sieve
Percent Open Area	COE-02215	10%
Permittivity	ASTM D 4491	2.1 sec <sup>-1</sup>
Water Flow Rate	ASTM D 4491	145 gpm/ft <sup>2</sup>

### Unit Specifications

<u>Property</u>	<u>Value</u>
Flow Rate (per piece in new condition)	456 gpm

### Product Note

Ultra-Curb Guard Plus Models are assembled from a woven monofilament polypropylene geotextile that has been stabilized to resist degradation due to ultraviolet exposure, is resistant to commonly encountered mildew, insects and soil chemicals, and is non-biodegradable.

Test data on other side.