



ULTRATECH
INTERNATIONAL, INC

Ultra-Curb Guard Plus®

Part# 9248/9251 - Specification Sheet

Peak Flow	
<u>Property</u>	<u>Value</u>
Peak Flow (gpm/ft)	9.32
Peak Flow (gpm) – 3' model	28.0
Peak Flow (gpm) – 4' model	37.3
Peak Flow (cfs/ft)	0.021
Peak Flow (cfs) – 3' model	0.063
Peak Flow (cfs) – 4' model	0.084

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%

<u>Part#</u>	<u>Dimensions</u> in. (mm)	<u>Hydrocarbon Capacity</u> gal. (L)	<u>Weight</u> lbs. (kg)
9248	36 x 4 x 4 (914.4 x 101.6 x 101.6)	1 (3.79)	6 (2.7)
9251	48 x 10 x 10 (1219.2 x 254 x 254)	1.4 (5.3)	8 (3.6)

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Part# 9248/9251 - Outer Fabric Specifications

Outer Fabric: Woven Monofilament		
Property	Test Method	Value
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 ⁻¹
Water Flow Rate	ASTM D 4491	145 gpm/ft ²

Note: The 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.

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Part# 9248/9251 - Inner Fabric Specifications

Inner Fabric: Ultra-X-Tex			
Test	Method	Units Standard (Metric)	Result Standard (Metric)
Mass Per Unit Area	ASTM 5261	oz/yd. (g/m)	11.0 (341.16)
Grab Tensile MD	ASTM D-4632	lbs (kg)	118 (53.5)
Grab Tensile TD	ASTM D-4632	lbs (kg)	89 (40.4)
Elongation at Peak MD	ASTM D-4632	percent	131
Elongation at Peak TD	ASTM D-4632	percent	172
Wide Width Tensile MD	ASTM D-4595	lbs/in (kg/cm)	33 (5.89)
Wide Width Tensile TD	ASTM D-4595	lbs/in (kg/cm)	23 (4.11)
Elongation at Break MD	ASTM D-4595	percent	110
Elongation at Break TD	ASTM D-4595	percent	156
Mullen Burst	ASTM D-3786	lbs/sq.in (kg/cm ²)	214 (15)
Puncture Resistance	ASTM D-4833	lbs (kg)	72 (32.7)
Trapezoid Tear Strength MD	ASTM D-4533	lbs (kg)	64 (29)
Trapezoid Tear Strength TD	ASTM D-4533	lbs (kg)	45 (20.4)
Permittivity(Constant Head)	ASTM D-4491	sec-1	2.02
Permeability	ASTM D-4491	cm/sec	0.72
Flow Rate	ASTM D-4491	gal/ft ² /min. (L/m ² /min.)	151 (6152)
Apparent Opening Size/micron	ASTM D-4751	microns U.S. Sieve	100 140/150
Apparent Opening Size/micron	ASTM D-4751		
Hydrocarbon Capacity (nominal)		gal/yd ² (L/m ²)	1.5 (6.79)