

# FW402 Woven Geotextile

For use with permeable paver filtration  
(Aquascape item #30220)

Property / Test Method	Units	FW 402
<b>MECHANICAL PROPERTIES</b>		
<b>Wide Width Tensile Strength</b>		
ASTM D 4595		
MD @ Ultimate	kN/m (lbs/ft)	35 (2400)
CMD @ Ultimate	kN/m (lbs/ft)	24 (1680)
<b>Grab Tensile Strength</b>		
ASTM D 4632		
MD @ Ultimate	kN (lbs)	1.62 (365)
CMD @ Ultimate	kN (lbs)	0.89 (200)
MD Elongation @ Ultimate	%	24
CMD Elongation @ Ultimate	%	10
<b>Mullen Burst Strength</b>		
ASTM D 3786		
	kPa (psi)	3097 (450)
<b>Trapezoidal Tear Strength</b>		
ASTM D 4533		
MD @ Ultimate	kN (lbs)	0.51 (115)
CMD @ Ultimate	kN (lbs)	0.33 (75)
<b>Puncture Strength</b>		
ASTM D 4833		
	kN (lbs)	0.40 (90)
<b>UV Resistance after 500 hrs.</b>		
ASTM D 4355		
	% Strength	90
<b>HYDRAULIC PROPERTIES</b>		
<b>Apparent Opening Size (AOS)</b>		
ASTM D 4751		
	mm (US Sieve)	0.425 (40)
<b>Permittivity</b>		
ASTM D 4491		
	sec <sup>-1</sup>	2.14
<b>Percent Open Area</b>		
COE-02215-86		
	%	10
<b>Flow Rate</b>		
ASTM D 4491		
	l/min/m <sup>2</sup> (gal/min/ft <sup>2</sup> )	5907 (145)
<b>Packaging</b>		
Roll Width	m (ft)	3.8 (12.5)
Roll Length	m (ft)	91 (300)
Est. Gross Weight	kg (lbm)	76 (168)
Area	m <sup>2</sup> (yd <sup>2</sup> )	348 (417)

\*NOTE: All Mechanical Properties and Hydraulic Properties shown are Minimum Average Roll Values (MARV).  
NP - Not Published