



SWEL – SWG EnvyLawn Technical Data

Product Properties

Property	Imperial Unit	Metric Unit	Description
Fiber Type			100% Polyethylene
Fiber Mass	10800 denier	12000 d tex	6 ply MS PRO
	7500 denier	8200 d tex	6 ply TXT thatch
	Root Zone	Root Zone	Every other needle
Pile Height *	2.00 in	50.8 mm	
Color (s)			Field Green/Olive Thatch: Evergreen
Tufting Gauge **	¼		
Stitch Rate **	13 / 3 in	1.71 / cm	
Primary Backing	7.0 oz/yd ²	237 g/m ²	Stabilized dual layered woven polypropylene
Secondary Backing	9.0 oz/yd ²	305 g/m ²	DuraFlo
Non Woven Scrim	2.7 oz/yd ²	91.5 g/m ²	

Performance Properties

Property	Imperial Unit	Metric Unit	Test Method
Face Weight	80.0 oz/yd ²	2713 g/m ²	ASTM D418
Total Weight	98.7 oz/yd ²	3347 g/m ²	ASTM D418
Permeability	TBD	TBD	DIN 18-035, part 6
Tuft Bind	6 lb – f	26.7 n	ASTM D1335
Grab Tear MD	200 lb	91 kg	ASTM D5034
Grab Tear CMD	200 lb	91 kg	ASTM D5034
Infill Amount, recommend	2-4 lbs per sq ft		

Packaging

Property	Imperial Unit	Metric Unit	Description
Item Number			SWEL
Roll Width	15 ft.	4.57 m	
Roll Length ***	50 ft.	15.2 m	
Area per Roll ***	750 ft. ²	69.7 m ²	
Total Roll Weight	514 lbs.	233 kg	

Challenger Industries is not responsible for typing errors.



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* Tufted pile height as standard. Pile height will draw down slightly during secondary backing process

** Tufting gauge and stitch rate as manufactured standard. Values will change slightly during secondary backing process

*** Standard roll lengths. Roll lengths may vary. Custom roll lengths and cuts are available upon request.