



LANDLOK[®] STITCH-BONDED PRODUCT LINE CARD¹

Property	Test Method	Value	Unit	LANDLOK [®] 435	LANDLOK [®] 450	LANDLOK [®] 1051	
PHYSICAL	Mass/Unit Area	ASTM D-6566	Typical	oz/yd ² g/m ²	8.0 271	11.0 373	14.0 475
	Thickness	ASTM D-6525	Typical	in mm	0.35 8.89	0.50 12.7	0.40 10.16
	Light Penetration	ASTM D-6567	Typical	% Passing	40%	20%	5%
	Color	Visual	-	-	Green	Green or Tan	Tan
MECHANICAL	Grab Tensile Strength	ASTM D-6818	Typical	lb/ft kN/m	225 x 175 3.3 x 2.6	425 x 350 6.2 x 5.1	300 x 225 4.4 x 3.3
	Grab Elongation	ASTM D-6818	Typical	%	50	50	85
	Resiliency	ASTM D-6524	Typical	%	80	90	80
	Flexibility	ASTM D-6575	Typical	in-lb mg-cm	0.015 17,308	0.026 30,000	0.022 25,385
ENDURANCE	UV Resistance	ASTM D-4355	Typical	% Retained @ 1,000 hrs	80	80	80
	Velocity (Vegetated)	Large Scale	Typical	ft/sec m/sec	12 3.7	18 5.5	18 5.5
PERFORMANCE	Shear Stress	Large Scale	Typical	lb/ft ² Pa	8 383	10 479	10 479
	Manning's "n" (Unvegetated)	Calculated	Typical	N/A	0.025	0.025	0.026
	Seedling Emergence	ASTM D-7322	Typical	%	273	409	220
	Roll Sizes	Measured	Typical		6.5 ft x 138.5 ft 2.0 m x 42.2 m	6.5 ft x 138.5 ft 2.0 m x 42.2 m	6.5 ft x 138.5 ft 2.0 m x 42.2 m

NOTES:

1. The property values listed above are effective 03/09/2018 and are subject to change without notice. Values represent testing at time of manufacture.

