

## Las mejores soluciones para ingeniería, alta calidad y el mejor servicio

LANDLOK® 435 turf reinforcement mat (TRM) features X3® technology that consists of a dense web of crimped, interlocking, multi-lobed polypropylene fibers positioned between two biaxially oriented nets and mechanically bound together by parallel stitching with polypropylene thread. The TRM is designed to accelerate seedling emergence, exhibit high resiliency, and possess strength and elongation properties to limit stretching in a saturated condition. Every component of LANDLOK® 435 is stabilized against chemical and ultraviolet degradation which are normally found in a natural soil environment. Furthermore, the TRM contains no biodegradable components.

LANDLOK® 435 conforms to the property values listed below<sup>1</sup> and is manufactured at a Propex facility having achieved ISO 9001:2008 certification. Propex performs internal Manufacturing Quality Control (MQC) tests that have been accredited by the Geosynthetic Accreditation Institute – Laboratory Accreditation Program (GAI-LAP).

PROPERTY	TEST METHOD	ENGLISH	METRIC
ORIGIN OF MATERIALS			
% U.S. Manufactured		100%	100%
PHYSICAL			
Mass/Unit Area <sup>2</sup>	ASTM D-6566	8.0 oz/yd <sup>2</sup>	271 g/m <sup>2</sup>
Thickness <sup>2</sup>	ASTM D-6525	0.35 in	8.9 mm
Light Penetration (% Passing) <sup>2</sup>	ASTM D-6567	40%	40%
Color	Visual	Green	
MECHANICAL			
Tensile Strength <sup>2</sup>	ASTM D-6818	225 x 175 lbs/ft	3.3 x 2.6 kN/m
Elongation <sup>2</sup>	ASTM D-6818	50%	50%
Resiliency <sup>2</sup>	ASTM D-6524	80%	80%
Flexibility <sup>2</sup>	ASTM D-6575	0.015 in-lb	17,308 mg-cm
ENDURANCE			
UV Resistance % Retained at 1,000 hrs <sup>2</sup>	ASTM D-4355	80%	80%
PERFORMANCE			
Velocity (Vegetated) <sup>2, 3</sup>	Large Scale	12 ft/sec	3.7 m/sec
Shear Stress (Vegetated) <sup>2, 3</sup>	Large Scale	8 lb/ft <sup>2</sup>	383 Pa

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