

# NUBARRIER™ – NONWOVEN GEOTEXTILE

NuBarrier™ is a green nonwoven geotextile designed as a microbial digester of hydrocarbons. As an added benefit, the unique green color acts as a warning barrier to protect your infiltration assets. NuBarrier™ accumulates a biofilm that biologically decontaminates hydrocarbons at a rate of up to 400 grams per m<sup>2</sup> per year (1.25 ounces per ft<sup>2</sup> per year), ideal for use under parking lots, around underground stormwater tanks, and in bioswales.

April 2023		Nubarrier™ - Nonwoven Geotextile	
Rev	ASTM	Nubarrier™ - Nonwoven Geotextile	
<b>Material Properties</b>	<b>MECHANICAL</b>		
	Grab Tensile Strength	ASTM D4632	600N 135 lbs
	Trapezoidal Tear Strength	ASTM D4533	293N 65 lbs
	C.B.R. Puncture Resistance	ASTM D6241	1400N 315 lbs
	<b>HYDRAULIC</b>		
	Pemittivity	ASTM D4491	2.0 Sec <sup>-1</sup>
	Permeability	ASTM D4491	87 L per sec/m <sup>2</sup> 128 gpm/ft <sup>2</sup>
	Opening Size O <sub>90</sub> (AOS) (Max. MARV)	ASTM D4751	210 microns 70
	Low Temperature	ASTM D2136	-45°F -43°C
	<b>SUPPLY SPECIFICATIONS</b>		
	Roll Width		4.5m 14.75 ft
	Roll Length		100m 328 ft
	Roll Weight		58.5kg 130 lbs

**Composition** - Polypropylene & Polyethylene

**Durability** - Predicted to be durable for more than 100 years in Natural soils with a range of pH 4-9 and soil temperatures < 25 °C/77 °F.

**Chemical Resistance** - Resistant to naturally occurring soil alkalis. Resistant to all naturally occurring soil acids. (i.e. to acids of pH > 2).

**Exposure to Sunlight** - The product is delivered in colored polyethylene wrappers to protect it from the harmful effects of ultra-violet rays: it is recommended that it remains wrapped until it is to be used. The unwrapped product shall be covered entirely within 30 days after installation to avoid UV radiation exposure.

**Disclaimer:** Layfield disclaims any and all express, implied, or statutory standards, warranties or guarantees, including without limitation any implied warranty as to merchantability or fitness for a particular purpose or arising from a course of dealing or usage of trade as to any equipment, materials, or information furnished herewith. This document should not be construed as engineering advice.

For up-to-date technical information, be sure to visit us online at [www.LayfieldGroup.com](http://www.LayfieldGroup.com)