

WOVEN GEOTEXTILES

Standard woven geotextiles are an economical range of geotextiles that combine high strength with low cost. Made by weaving prestressed polypropylene tapes in a simple weave pattern, woven geotextiles provide separation, confinement, and reinforcement. Woven geotextiles are primarily used in road building and embankment construction as a separation layer between fill soils and a site's soft subsoils.

February 2026		Woven Geotextiles – Metric			
Properties	ASTM	LP200	LP250	LP315	
Material Properties	Grab Tensile	D4632	0.9 kN/m	1.11 kN/m	1.4 kN/m
	Grab Elongation	D4632	15%	15%	15%
	Trapezoid Tear	D4533	0.33 kN	0.405 kN	0.533 kN
	CBR Puncture Resistance	D6241	3.12 kN	4.005 kN	4.45 kN
	Water Flow ²	D4491	203 l/min/m ²	163 l/min/m ²	163 l/min/m ²
	Permittivity ²	D4491	0.05sec ⁻¹	0.05sec ⁻¹	0.05sec ⁻¹
	AOS (Maximum Value) ²	D4751	0.43 mm	0.425 mm	0.425 mm
	UV Resistance ³	D4355	70%	70%	70%
	Roll Size	-	5.33m x 94m	5.33m x 94m	5.33m x 79m

Notes:

1. Unless indicated otherwise, values shown are Minimum Average Roll Values.
2. At time of manufacturing. Handling and storage may change these properties.
3. Percentage of Ultimate after 500 hours of 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

February 2026

Woven Geotextiles – Imperial

Material Properties	Properties	ASTM	LP200	LP250	LP315
	Grab Tensile	D4632	200 lbs.	250 lbs.	315 lbs.
	Grab Elongation	D4632	15%	15%	15%
	Trapezoid Tear	D4533	75 lbs.	90 lbs.	120 lbs.
	CBR Puncture Resistance	D6241	700 lbs.	900 lbs.	1000 lbs.
	Water Flow ²	D4491	5 gpm/ft ²	4 gpm/ft ²	4 gpm/ft ²
	Permittivity ²	D4491	0.05sec ⁻¹	0.05sec ⁻¹	0.05sec ⁻¹
	AOS (Maximum Value) ²	D4751	40 U.S. Sieve	40 U.S. Sieve	40 U.S. Sieve
	UV Resistance ³	D4355	70%	70%	70%
	Roll Size	-	17.5' x 309'	17.5' x 309'	17.5' x 309'

Notes:

1. Unless indicated otherwise, values shown are Minimum Average Roll Values.
2. At time of manufacturing. Handling and storage may change these properties.
3. Percentage of Ultimate after 500 hours of 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