

WOVEN GEOTEXTILES

Standard woven geotextiles are an economical range of geotextiles that combine high strength with low cost. Made by weaving pre-stressed 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.

Aug 2023		Woven Geotextiles – US Values			
Material Properties		ASTM	LP 200	LP 250	LP 315
	Grab Tensile (lbs)	D4632	200	250	315
	Elongation (%)	D4632	15	15	15
	Trapezoid Tear (lbs)	D4533	75	90	120
	CBR Puncture Strength (lbs)	D6241	700	900	950
	AOS (sieve size)	D4751	40	40	40
	Permittivity (sec-1)	D4491	0.05	0.05	0.05
	Weight (oz/yd ²) (Typical)	D5261	3.8	4.72	5.66
	UV Resistance (500 hrs)	D4355	70	70	70
	Roll Size (ft) Typical		17.5 x 309	17.5 x 309	17.5 x 258
Roll Weight (lbs) (Typical)		205	215	220	

Note1 - The physical properties presented in the table above are Minimum Average Roll Values or otherwise indicated.

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Aug 2023

Woven Geotextiles – Metric Values

Material Properties		ASTM	LP 200	LP 250	LP 315
	Grab Tensile (N)	D4632	889	1110	1400
	Elongation (%)	D4632	15	15	15
	Trapezoid Tear (N)	D4533	333	400	533
	CBR Puncture Strength (N)	D6241	3115	4005	4226
	AOS (Microns)	D4751	425	425	425
	Permittivity (sec ⁻¹)	D4491	0.05	0.05	0.05
	Weight (g/m ²) (Typical)	D5261	129	160	192
	UV Resistance (500 hrs)	D4355	70	70	70
	Roll Size (m) (Typical)		5.3 x 94	5.3 x 94	5.3 x 79
Roll Weight (kg) (Typical)		92	97.5	100	

Note1 - The physical properties provided in the table above are Minimum Average Roll Values or otherwise indicated.

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