

TYPAR SPUN BONDED NONWOVEN GEOTEXTILES

Heat-bonded nonwoven geotextiles (such as Typar®) are a variation of the nonwoven geotextile type. Typar® geotextiles use continuous polypropylene fibres that are heated together to form a continuous mat. Typar® geotextiles have good water flow performance and excellent retention of soil fines. While Typar® has been used to provide separation in paved and unpaved roads, it is predominately used in drainage applications. Such as trench drains, wrapping for perforated pipe, landscaping fabric, and combined with three-dimensional structures to create prefabricated drainage products. Typar® is used when very fine soil particles need to be retained. Typar® is best known as landscape fabric and is used extensively as a root barrier beneath paving stones or under decorative stones, bark or mulch.

	April 2023 Typar Geotextiles - US Values											
		ASTM	3201	3301	3341	3401	3601	3801				
	Grab Tensile (lbs)	D4632	60	120	120	130	240	300				
S	Elongation (%)	D4632	60	60	60	60	60	60				
ırtie	Trapezoidal Tear (lbs)	D4533	25	35	40	60	90	95				
rope	Puncture (lbs)	D4833	18	25	34	41	67	93				
Material Prop	CBR Puncture (lbs)	D6241	n/a	n/a	n/a	225	370	510				
ateri	AOS (sieve size)	D4751	30	50	60	70	140	170				
×	Permittivity (sec-1)	D4491	1.0	0.8	0.7	0.7	0.1	0.1				
	Water Flow (gpm/ft²) Typical	D4491	190	95	85	60	15	8				
	Weight (oz/yd²) Typical	D3776	1.9	3.0	3.4	4.0	6.0	8.0				
	UV Resistance (500 hrs)	D4355	n/a	n/a	70%	70%	70%	70%				
	Roll Size (ft)		12.58 x 300									
	Roll Weight (lbs)		58	87	97	113	165	218				

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



11/1/2/11



TYPAR SPUN BONDED NONWOVEN GEOTEXTILES

	April 2023							
Material Properties		ASTM	3201	3301	3341	3401	3601	3801
	Grab Tensile (N)	D4632	267	533	533	578	1,067	1,445
	Elongation (%)	D4632	60	60	60	60	60	60
	Trapezoidal Tear (N)	D4533	110	155	180	270	400	425
	Puncture (N)	D4833	80	110	150	180	300	415
	CBR Puncture (N)	D6241	n/a	n/a	n/a	990	1,650	2,285
erial	AOS (microns)	D4751	590	300	250	212	100	90
Mate	Permittivity (sec-1)	D4491	1.0	0.8	0.7	0.7	0.1	0.1
	Water Flow (I/min/m²) Typical	D4491	7,790	3,895	3,485	2,460	615	328
	Weight (g/m²) Typical	D3776	65	104	116	136	204	272
	UV Resistance (500 hrs)	D4355	n/a	n/a	70%	70%	70%	70%
	Roll Size (m)		3.83 x 91.4					
	Roll Weight (kg)		26	40	44	51	75	99

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



1111111