

GeoWeave Product Data

Geostar woven geotextile fabrics are composed of 100% first quality polypropylene material and are available in slit film PP for stabilization and separation applications and monofilament PP for erosion control applications. They resist UV deterioration, rotting, biological degradation, and naturally encountered basics and acids.

Property	Unit	Test Method	GW38	GW40	GW50	GW63	GW40 E	GW70 E	GS32
Weight	oz/yd ²	ASTM D5261	3.8	4.0	5.0	6.3	5.6	5.6	3.2
Grab Tensile	lbs	ASTM D4632	180	200	250	315	365 x 200	370 x 250	124
Grab Elongation	%	ASTM D4632	15	15	15	15	15	16 x 15	15
Trapezoid Tear	lbs	ASTM D4533	70	75	90	120	115 x 75	100 x 60	45
CBR Puncture Resistance	lbs	ASTM D6241	600	700	900	1000	675	950	325
Permittivity*	sec ¹	ASTM D4491	0.05	0.05	0.05	0.05	2.10	0.28	0.1
Water Flow*	gpm/ft ²	ASTM D4491	4	5	4	4	145	18	10
A.O.S.*	U.S. Sieve	ASTM D4751	20	40	40	40	40	70	30
U.V. Resistance	%/hrs	ASTM D4355	70/500	70/500	70/500	70/500	90/500	90/500	70/500

* At the time of manufacturing. Handling, storage, and shipping may change these properties.

AASHTO									
M288 Survivability Class			3	3	2	1	3	2	-
M288 Application ²			-	-	SP	ST, SP	-	E, SP, D	S/F

Packaging									
Roll Dimensions (FT)				12.5 x 432 15 x 360 (GW63 is 15 x 300) 17.5 x 309			12.5 x 300	12 x 300	2/3 x 100/300/750
Square Yards/Roll			600	600 600		500/600	417	400	22/66/165/33/ 100/248
Estimated Roll Weight			180	195	220	210/250	150	150	8/20/10/30

Updated as of January 2024

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