

GSE NON - WOVEN GEOTEXTILES Product Data Sheet

GSE Nonwoven Geotextiles are a family of polypropylene, staple fiber, nonwoven needle punched geotextiles. These products are the most uniform and consistent nonwoven needle punched geotextiles currently available in the industry. These product specifications meet or exceed GRI GT12.

TESTING PROPERTY	TEST METHOD	FREQUENCY	NW4	NW6	NW8	NW10	NW12	NW16
Product code			GEO O408002	GEO O608002	GEO O808002	GEO 1008002	GEO 1208002	GEO 1608002
Mass per unit g/m2 (oz./yd2)	ASTM D 5261	8525 m2	135 4	200 6	270 8	335 10	405 12	540 16
Grab Tensile Strength N lb.	ASTM D4632	8525m2	530 120	755 170	975 220	1155 260	1420 320	1735 390
Grab Elongation %	ASTM D 4632	8525m2	50	50	50	50	50	50
Puncture Strength N lb.	ASTM D 4833	8525m2	265 60	395 90	525 120	725 165	835 190	1055 240
Trapezoidal Tear Strength N lb.	ASTM D 4533	8525m2	220 50	310 70	420 95	445 100	555 125	665 150
Apparent Opening Size. (mm) Sieve No.	ASTM D4751	51,150m2	0.21 70	0.21 70	0.180 80	0.150 100	0.150 100	0.150 100
Permittivity	ASTM D 4491	51,150m2	1.5	1.5	1.5	1.2	0.8	0.7
Permeability, cm/sec	ASTM D 4491	51,150m2	0.22	0.30	0.30	0.30	0.29	0.27
Water Flow Rate, l/min/m2 gpm/ft2	ASTM D 4491	51,150m2	4885 120	4480 110	4480 110	3460 85	2240 60	2035 50
UV Resistance % retained after 500 hrs.	ASTM D4355	per formulation	70	70	70	70	70	70
Roll Length m x width m			184mx4.62m	184mx4.62m	184mx4.62m	92mx 4.62m	92mx 4.62m	92mx 4.62m
Roll Area m2			850	850	850	425	425	425

Note:

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