

CONSTRUCTION

Product Data Sheet

Sheet GT13a Rev 03 Date 07/2012 ASTM

Fibertex Geotextiles

GRI Test Method GT 13(a) – ASTM Test Method Version, Original March 10, 2004

S.I. (Metric) Units , Standard Specification for

“Test Methods and Properties for Geotextiles Used as Separation between Subgrade Soil and Aggregate” Table 12(a), 2(b) & 2(c)

Property ⁽¹⁾	Test Method ASTM	Unit	Class 1 (Table 1a) High Survivability		Class2 (Table 1b) Moderate Survivability		Class 3 (Table 1c) Low Survivability	
Fibertex Grade			Specification Elongation > 50%	Fibertex GT13a Class 1	Specification Elongation > 50%	Fibertex GT13a Class 2	Specification Elongation > 50%	Fibertex GT13a Class 3
Mass	Indicative	g/m ²		285		195		150
Grab tensile Strength	D 4632	N	900	900	700	700	500	500
Trapezoid Tear Strength	D 4533	N	350	350	250	250	180	180
CBR Puncture strength	D 6241	N	2000	2000	1400	1400	1000	1000
Permittivity	D 4491	Sec ⁻¹	0.02	0.02	0.02	0.02	0.02	0.02
Apparent Opening Size	D 4751	mm	0.6	< 0.6	0.6	< 0.6	0.6	< 0.6
Ultraviolet Stability ⁽²⁾	D 4355	% Ret. @ 500 hrs.	50	>50	50	>50	50	>50

Notes:

(1) Above values are MARV and are indicative and AOS which is a maximum value

(2) Evaluation to be 50 mm strip tensile specimens after 500 hours exposure.

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CONSTRUCTION

Product Data Sheet

Sheet GT13b Rev 03 Date 07/2012 ISO

Fibertex Geotextiles

GRI Test Method GT 13(b) – ISO Test Method Version, Original September 29, 2008

S.I. (Metric) Units, Standard Specification for

“Test Methods and Properties for Geotextiles Used as Separation between Subgrade Soil and Aggregate”

Property ⁽¹⁾	Test Method ISO	Unit	Class 1 (Table 1a) High Survivability		Class2 (Table 1b) Moderate Survivability		Class 3 (Table 1c) Low Survivability	
Fibertex Grade			Specification Elongation > 50%	Fibertex GT13b Class 1	Specification Elongation > 50%	Fibertex GT13b Class 2	Specification Elongation > 50%	Fibertex GT13b Class 3
Mass	Indicative	g/m ²		285		195		150
Grab tensile Strength	ISO 13934-2	N	800	800	630	630	450	450
Trouser Tear Strength	ISO 13937-2	N	300	300	210	210	150	150
CBR Puncture Strength	ISO 12236	N	2000	2000	1400	1400	1000	1000
Permeability	ISO 11058	m/sec	0.01	0.01	0.01	0.01	0.01	0.01
Apparent Opening Size	ISO 12956	micron	500	<500	500	<500	500	<500
Ultraviolet Stability ⁽²⁾	EN 12224	% Ret. @ 500 hrs.	80	>80	70	>70	60	>60

Notes:

(1) Above values are MARV and are indicative and AOS which is a maximum value.

(2) Evaluation to be 50 mm strip tensile specimens after 500 hours exposure.

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