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Composite Geomembrane Liner Specifications

Composite Geomembrane Liner is made by heat-bonding nonwoven or woven geotextile combined with HDPE geomembranes by calendaring processing technology. EGS brand composite Geomembrane liner is automatically formed by pressing one or two geotextile layer to the geomembrane layer in the continuous far infrared ray heating oven, polymer and anti-aging materials are added in the production process at the same time

Test Item	Test Properties	Unit	ECGM 4	ECGM 5	ECGM 6	ECGM 7	ECGM 8
Weight		g/m ²	400	500	600	700	800
Film Thickness		mm	0.25-0.35			0.30-0.50	
Mechanical Properties	Break Strength	kN/m	5.0	7.5	10.0	12.0	14.0
	Break Elongation	%	30-100	30-100	30-100	30-100	30-100
	CBR Burst Strength	KN	1.1	1.5	1.9	2.2	2.5
	Tear Resistance	KN	0.15	0.25	0.32	0.40	0.48
	Peel Strength	N/cm	≥6	≥6	≥6	≥6	≥6
Hydrostatic Pressure	Film Thickness	mm	0.2	0.3	0.4	0.5	0.6
	One cloth one film	MPa	0.4	0.5	0.6	0.8	1.0
	Two cloth one film	MPa	0.5	0.6	0.8	1.0	1.2

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. EGS Laboratory is improving continuously with the purpose of assuring reliable quality. EGS Geosolutions reserves the right to change the product specifications at any time. Liability Exclusion: This publication should not be construed as engineering advice.