



## LLDPE Geomembrane Textured

Item	Properties	Unit	Test Method	Thickness					
				0.5	0.75	1.0	1.25	1.5	2.0
1	Thickness	mm	D5994	-10%	-10%	-10%	-10%	-10%	-10%
2	Asperity Height	mm	D7466	0.40	0.40	0.40	0.40	0.40	0.40
3	Density	g/cm <sup>3</sup>	D1505/D79	0.93	0.93	0.93	0.93	0.93	0.93
		3	2	9	9	9	9	9	9
4	Tensile properties		D6693						
	Break strength	N/m	Type IV	5	9	11	13	16	21
	Break elongation	%		800	800	800	800	800	800
5	2% Modulus	N/m	D5323	210	315	420	520	630	840
6	Tear								
	Resistance(min.ave. )	N	D1004	50	70	100	120	150	200
7	Puncture resistance	N	D4833	100	150	200	250	300	400
8	Axi-symmetric								
	Break Resistance Strain	%	D5617	30	30	30	30	30	30



9	Carbon black Carbon black content(range)	%	D4218	2.0-3.0  Carbon black dispersion(only near spherical agglomerates) for 10 different views:9 in categories 1 or 2 and 1 in category 3.
10	Oxidation Induction Time(OIT)		D5596	
	Standard OIT	min	D3895	100
	High pressure OIT	min	D5885	400
11	Oven aging at 85°C Standard OIT(min.ave.)-% retained after 90 days		D5721  D3895	  35
12	High pressure OIT(min.ave.)-% retained after 90 days		D5885	60
12	UV resistance Standard OIT	%	D3895	35



(min.ave.)-% High pressure OIT (min.ave.)-% retained after 1600 hrs	%	D5885	35
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