



PVC GEOMEMBRANE SPECIFICATIONS

Property		Test Method	Specifications								
Technical Properties	Thickness (mils)		ASTM D-5199	Min. avg	10 ± 0.50	20 ± 1.0	30 ± 1.5	40 ± 2.0	50 ± 2.5	60 ± 3.0	
	Tensile Properties	Break Strength (lbs. / in)	ASTM D-882	Min. avg	MD XMD	24	48	73	97	116	137
		Elongation (%)	ASTM D-882	Min. avg							
		100% Modulus (lbs. / in)	ASTM D-882	Min. avg	MD XMD	10	20	30	40	50	60
		Tear Strength (lbs.)	ASTM D-1004	Min. avg	MD XMD	2.5	6.0	8.0	10.0	13.0	15.0
	Dim. Stability (%)		ASTM D-1204 (100°C 15 Min.)	Max. Change	MD	4.0	4.0	3.0	3.0	3.0	3.0
	Specific Gravity (g/cc)		ASTM D-792	Min.		1.20	1.20	1.20	1.20	1.20	1.20
	Low Temperature Impact		ASTM D-1790 (-29C)	50% of specimens pass at stated temp.							
	Certified Properties	Water Extraction (%)		ASTM D-1239	Max.	0.15	0.15	0.15	0.20	0.20	0.20
		Volatile Loss (%)		ASTM D-1203	Max.	1.50	0.90	0.70	0.50	0.50	0.50
Soil Burial		Break Strength (%)	ASTM G160-03	Max. Change	5	5	5	5	5	5	
		Elongation (%)		Max. Change	20	20	20	20	20	20	
		100% Modulus (%)		Max. Change	20	20	20	20	20	20	
Hydrostatic Resistance (psi)		ASTM D-751 METHOD A	Min.	42	68	100	120	150	180		
Minimum Ave. Mol Wt of Plasticize		D2124	Min	400	400	400	400	400	400		

Note: To the best of our knowledge, unless otherwise stated, these are typical property values and are intended as guides only, not as specification limits. Chemical resistance, odor transmission, longevity as well as other performance criteria is not implied or given and actual testing must be performed for applicability in specific applications and/or conditions. GEOCHEM, INC. MAKES NO WARRANTIES AS TO THE FITNESS FOR A SPECIFIC USE OR MERCHANTABILITY OF PRODUCTS REFERRED TO, no guarantee of satisfactory results from reliance upon contained information or recommendations and disclaims all liability for resulting loss or damage.

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