

Test Method		Units									
Thickness	ASTM D1777	mil	12 ± 10	16 ± 10	20 ± 10	24 ± 10	30 ± 10	40 ± 10			
Grab Tensile	ASTM D7004	mil	MD 180	MD 210	TD	MD 250	TD	MD 294	TD	MD 282	TD
			TD 125	190	340	242	320	490			
Strip Tensile	ASTM D7003	lb / in	MD 140	MD 135	TD	MD 175	TD	MD 240	MD 188	TD	MD 285
			TD 100	130	270	TD 270	225	350			
Tongue Tear	ASTM D5884	lb / in	MD 50	TD	MD 60	TD	MD 75	TD	MD 90	TD	MD 90
			50	60	75	92	85	TD 120			
Mullen Burst	ASTM D751	psi	275	375	550	530	585	835			
MVRT	ASTM E96		0.35 g/m ² x	0.24 g/m ² x	0.29 g/m ² x	0.23 g/m ² x	0.21 g/m ² x	0.189 g/m ² x			
			24 hrs	24 hrs	24 hrs	24 hrs	24 hrs	24 hrs			
Hydraulic Conductivity	Calc. from MVRT	cm / s	1.37 x 10 ⁻¹⁴	5.42 x 10 ⁻¹⁵	1.02 x 10 ⁻¹⁴	9.79 x 10 ⁻¹⁵	1.46 x 10 ⁻¹⁴	1.37 x 10 ⁻¹⁴			
Hydrostatic Resistance	ASTM D751	psi	130	97	139	262	423	612			
Puncture Resistance	ASTM D4833	lb	76	113	140	150	165	210			
CBR Static Puncture	ASTM D6241	lb	530	922	973	993	1,025	1,558			
Dimensional Stability	ASTM D1204	%	MD -2.9	MD -2.3	TD	MD -2.5	TD	MD -2.9	TD	MD -2.2	MD -3.7
			TD -2.2	2.0	1.8	-1.8	TD -1.6	TD -2.1			
Low Temp. Flex	ASTM D2136	°F	MD & TD	MD & TD	MD & TD	MD & TD	MD & TD	MD & TD			
			Pass @ -40	Pass @ -40	Pass @ -85	Pass @ -85	Pass @ -85	Pass @ -85			
HP - OIT	ASTM D5885	min	1330	2122	1684	1071	1071	2880			
Accelerated UV Weathering	ASTM D7238	hrs	<90 @ 2k	>90 @ 1200	<90 @ 1200	>90 @ 10K	>90 @ 10K	>90 @ 2K			
			hrs	hrs	hrs	hrs	hrs	hrs			

WC geomembranes are developed as a medium to heavy weight fabric incorporating a new coating recipe designed to improve toughness and abrasion resistance. With the ability to withstand puncture and UV rays this product is a solution to many projects.

Woven Coated is heat welded by a trained technician or has the option to be taped on site. At WPL Fab we test each panel, accordion fold then roll onto a core, package with a protective layer and apply directions on the outside of the roll for ease of deployment.

Applications

Short Term liners, Secondary Containment, Containment Ponds