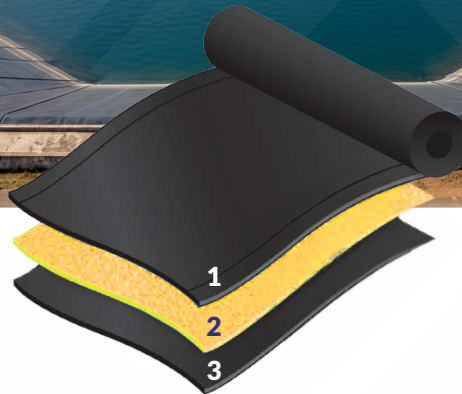


MVS GEOMEMBRANE



1.Engineered Coating

2.Woven Reinforcement

3.Engineered Coating

At **MVS INDUSTRY** we provide **high-quality geomembrane liners** designed to offer **long-lasting protection, leak prevention, and environmental safety**. Built for strength and durability, our liners perform in the toughest conditions across multiple industries.

Heavy-Duty Containment for Maximum Protection

Engineered for Strength, Durability, and Long-Term Performance. Our geomembrane is designed for superior containment, leak prevention, and environmental protection in demanding industrial, agricultural, and environmental applications. With its increased thickness and strength, this liner provides long-lasting performance and exceptional resistance to punctures, chemicals, and harsh weather conditions.

Ideal Applications for Geomembrane

- **Ponds & Water Reservoirs:** Ensures water retention and prevents seepage
- **Secondary Containment:** Protects against leaks in fuel, chemical, and industrial storage applications
- **Wastewater Treatment :** Provides a secure barrier for liquid containment and hazardous materials
- **Landfills & Waste Containment:** Prevents groundwater contamination and enhances environmental safety
- **Canals & Irrigation Systems:** Reduces water loss and improves agricultural efficiency

Why Choose Our Geomembrane?



Extra Thick & Durable

Provides enhanced resistance to punctures, tears, and environmental stressors



Waterproof & Reliable

Ensures long-lasting containment and prevents seepage



Cost-Effective & Low Maintenance

Reduces the need for frequent replacements, offering long-term savings



Superior Chemical & UV Resistance

Withstands exposure to harsh substances and prolonged sunlight

Built for Demanding Applications

At **MVS INDUSTRY**, we provide high-performance geomembranes that meet industry standards for containment, durability, and environmental protection. Whether for industrial, agricultural, or environmental projects, we have the right liner solution for you.

Technical Specifications

	12 MIL					
PROPERTY	IMPERIAL	METRIC				
THICKNESS – ASTM D1777 (±10%)	MIL	12	MM	0.33	INCH	0.012
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	185	oz/yd ²	5.4575	-	-
STRIP TENSILE STRENGTH MD – ASTM D7003	LBS	100	KGS	45	N	445
STRIP TENSILE STRENGTH CD – ASTM D7003	LBS	99	KGS	45	N	441
GRAB TENSILE MD - ASTM D7004	LBS	270	KGS	122	N	1201
GRAB TENSILE CD - ASTM D7004	LBS	234	KGS	106	N	1041
TONGUE TEAR – MD – ASTM D5884	LBS	55	KGS	25	N	245
TONGUE TEAR- CD – ASTM D 5884	LBS	45	KGS	20	N	200
PUNCTURE RESISTANCE – ASTM D4833	LBS	77	KGS	35	N	343
MULLEN BURST – ASTM D751	PSI	398.7	BAR	27	KPA	2749
HYDROSTATIC RESISTANCE – ASTM D751	PSI	217	BAR	15	KPA	1496
DIMENSIONAL STABILITY – ASTM D1204	MD – 2.9 %					
	CD – 2.2 %					
LOW TEMPERATURE FLEX – ASTM D2136	MD&CD:PASS@-40°C(-40°F)					
ACCELERATED UV WEATHERING – ASTM G 151 & 154	>90% tensile Strength retention after 2000 hrs exposure @0.77 W/m2/nm, or 1200 exposure @ 1.35W/m2/nm,					

	16 MIL					
PROPERTY	IMPERIAL	METRIC				
THICKNESS – ASTM D1777 (±10%)	MIL	16	MM	0.40	INCH	0.0157
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	240	oz/yd ²	7.08	-	-
STRIP TENSILE STRENGTH MD – ASTM D7003	LBS	67	KGS	30	N	298
STRIP TENSILE STRENGTH CD – ASTM D7003	LBS	65	KGS	29	N	289
GRAB TENSILE MD - ASTM D7004	LBS	210	KGS	95	N	934
GRAB TENSILE CD - ASTM D7004	LBS	190	KGS	86	N	845
TONGUE TEAR – MD – ASTM D5884	LBS	60	KGS	27	N	267
TONGUE TEAR- CD – ASTM D 5884	LBS	60	KGS	27	N	267
PUNCTURE RESISTANCE – ASTM D4833	LBS	113	KGS	51	N	503
MULLEN BURST – ASTM D751	PSI	375	BAR	26	KPA	2586
HYDROSTATIC RESISTANCE – ASTM D751	PSI	225	BAR	16	KPA	1551
DIMENSIONAL STABILITY – ASTM D1204	MD – 2.3 %					
	CD – 2.0 %					
LOW TEMPERATURE FLEX – ASTM D2136	MD&CD:PASS@-40°C(-40°F)					
ACCELERATED UV WEATHERING – ASTM G 151 & 154	>90% tensile Strength retention after 2000 hrs exposure @0.77 W/m2/nm, or 1200 exposure @ 1.35W/m2/nm,					

	14 MIL					
PROPERTY	IMPERIAL	METRIC				
THICKNESS – ASTM D1777 (±10%)	MIL	14	MM	0.35	INCH	0.0137
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	225	oz/yd ²	6.6375	-	-
STRIP TENSILE STRENGTH MD – ASTM D7003	LBS	150	KGS	68.04	N	667.47
STRIP TENSILE STRENGTH CD – ASTM D7003	LBS	140	KGS	63.50	N	622.97
GRAB TENSILE MD - ASTM D7004	LBS	200	KGS	90.72	N	889.96
GRAB TENSILE CD - ASTM D7004	LBS	190	KGS	86.18	N	845.46
TONGUE TEAR – MD – ASTM D5884	LBS	55	KGS	24.95	N	244.74
TONGUE TEAR- CD – ASTM D 5884	LBS	50	KGS	22.68	N	222.49
PUNCTURE RESISTANCE – ASTM D4833	LBS	107	KGS	48.53	N	476.13
MULLEN BURST – ASTM D751	PSI	356	BAR	24.54	KPA	2454.62
HYDROSTATIC RESISTANCE – ASTM D751	PSI	92	BAR	6.34	KPA	634.34
DIMENSIONAL STABILITY – ASTM D1204	MD – 3.7 %					
	CD – 2.1 %					
LOW TEMPERATURE FLEX – ASTM D2136	MD&CD:PASS@-65°C(-85°F)					
ACCELERATED UV WEATHERING – ASTM D7238	>90% tensile Strength retention after 2000 light hours.					

	20 MIL					
PROPERTY	IMPERIAL	METRIC				
THICKNESS – ASTM D1777 (±10%)	MIL	20	MM	0.50	INCH	0.020
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	300	oz/yd ²	8.85	-	-
STRIP TENSILE STRENGTH MD – ASTM D7003	LBS	195	KGS	88	N	868
STRIP TENSILE STRENGTH CD – ASTM D7003	LBS	165	KGS	75	N	734
GRAB TENSILE MD - ASTM D7004	LBS	270	KGS	122	N	1201
GRAB TENSILE CD - ASTM D7004	LBS	250	KGS	113	N	1112
TONGUE TEAR – MD – ASTM D5884	LBS	75	KGS	34	N	334
TONGUE TEAR- CD – ASTM D 5884	LBS	75	KGS	34	N	334
PUNCTURE RESISTANCE – ASTM D4833	LBS	156	KGS	71	N	694
MULLEN BURST – ASTM D751	PSI	495	BAR	34	KPA	3413
HYDROSTATIC RESISTANCE – ASTM D751	PSI	300	BAR	21	KPA	2069
DIMENSIONAL STABILITY – ASTM D1204	MD – 2.5 %					
	CD – 1.8 %					
LOW TEMPERATURE FLEX – ASTM D2136	MD&CD:PASS@-65°C(-85°F)					
ACCELERATED UV WEATHERING – ASTM G 151 & 154	>90% tensile Strength retention after 2000 hrs exposure @0.77 W/m2/nm, or 1200 exposure @ 1.35W/m2/nm,					

Technical Specifications

	24 MIL					
PROPERTY	IMPERIAL	METRIC				
THICKNESS – ASTM D1777 (±10%)	MIL	24	MM	0.60	INCH	0.024
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	300	oz/yd ²	8.85	-	-
STRIP TENSILE STRENGTH MD – ASTM D7003	LBS	215	KGS	98	N	957
STRIP TENSILE STRENGTH CD – ASTM D7003	LBS	170	KGS	77	N	756
GRAB TENSILE MD - ASTM D7004	LBS	285	KGS	129	N	1268
GRAB TENSILE CD - ASTM D7004	LBS	265	KGS	120	N	1179
TONGUE TEAR – MD – ASTM D5884	LBS	76	KGS	34	N	338
TONGUE TEAR- CD – ASTM D 5884	LBS	75	KGS	34	N	334
PUNCTURE RESISTANCE – ASTM D4833	LBS	197	KGS	89	N	877
MULLEN BURST – ASTM D751	PSI	550	BAR	38	KPA	3792
HYDROSTATIC RESISTANCE – ASTM D751	PSI	320	BAR	22	KPA	2206
DIMENSIONAL STABILITY – ASTM D1204	MD – 2.7 %					
	CD – 1.4 %					
LOW TEMPERATURE FLEX – ASTM D2136	MD&CD:PASS@-65°C(-85°F)					
ACCELERATED UV WEATHERING – ASTM D 7238	>90% tensile Strength retention after 10,000 hrs exposure					

	24 MIL DOUBLE-SIDED NEEDLE PUNCH					
PROPERTY	IMPERIAL	METRIC				
THICKNESS – ASTM D1777 (±10%)	MIL	55	MM	1.40	INCH	0.0550
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	185	oz/yd ²	17.11	-	-
STRIP TENSILE STRENGTH MD – ASTM D7003	LBS	100	KGS	56.70	N	556
STRIP TENSILE STRENGTH CD – ASTM D7003	LBS	99	KGS	45.36	N	445
GRAB TENSILE MD - ASTM D7004	LBS	270	KGS	226.80	N	2225
GRAB TENSILE CD - ASTM D7004	LBS	234	KGS	158.76	N	1557
TONGUE TEAR – MD – ASTM D5884	LBS	55	KGS	45.36	N	445
TONGUE TEAR- CD – ASTM D 5884	LBS	45	KGS	45.36	N	445
PUNCTURE RESISTANCE – ASTM D4833	LBS	77	KGS	124.74	N	1224
MULLEN BURST – ASTM D751	PSI	398.7	BAR	44.43	KPA	4444
HYDROSTATIC RESISTANCE – ASTM D751	PSI	217	BAR	27.34	KPA	2734
DIMENSIONAL STABILITY – ASTM D1204	MD – 1.5 %					
	CD – 1.0 %					
LOW TEMPERATURE FLEX – ASTM D2136	MD&CD:PASS@-40°C(-40°F)					
ACCELERATED UV WEATHERING – ASTM G 151 & 154	>90% tensile Strength retention after 2000 hrs exposure @0.77 W/m2/nm, or 1200 exposure @ 1.35W/m2/nm,					

	24 MIL SINGLE SIDED NEEDLE PUNCH					
PROPERTY	IMPERIAL	METRIC				
THICKNESS – ASTM D1777 (±10%)	MIL	40	MM	1.00	INCH	0.0393
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	480	oz/yd ²	14.16	-	-
STRIP TENSILE STRENGTH MD – ASTM D7003	LBS	110	KGS	49.90	N	489
STRIP TENSILE STRENGTH CD – ASTM D7003	LBS	302	KGS	136.99	N	1344
GRAB TENSILE MD - ASTM D7004	LBS	400	KGS	181.44	N	1780
GRAB TENSILE CD - ASTM D7004	LBS	300	KGS	136.08	N	1335
TONGUE TEAR – MD – ASTM D5884	LBS	100	KGS	45.36	N	445
TONGUE TEAR- CD – ASTM D 5884	LBS	100	KGS	45.36	N	445
PUNCTURE RESISTANCE – ASTM D4833	LBS	195	KGS	88.45	N	868
MULLEN BURST – ASTM D751	PSI	525	BAR	36.23	KPA	3623
HYDROSTATIC RESISTANCE – ASTM D751	PSI	397	BAR	27.34	KPA	2734
DIMENSIONAL STABILITY – ASTM D1204	MD – 1.9 %					
	CD – 1.4 %					
LOW TEMPERATURE FLEX – ASTM D2136	MD&CD:PASS@-40°C(-40°F)					
ACCELERATED UV WEATHERING – ASTM G 151 & 154	>90% tensile Strength retention after 2000 hrs exposure @0.77 W/m2/nm, or 1200 exposure @ 1.35W/m2/nm,					

	30 MIL					
PROPERTY	IMPERIAL	METRIC				
THICKNESS – ASTM D1777 (±10%)	MIL	30	MM	0.75	INCH	0.0295
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	450	oz/yd ²	13.275	-	-
STRIP TENSILE STRENGTH MD – ASTM D7003	LBS	345	KGS	156	N	1535
STRIP TENSILE STRENGTH CD – ASTM D7003	LBS	322	KGS	146	N	1433
GRAB TENSILE MD - ASTM D7004	LBS	390	KGS	177	N	1735
GRAB TENSILE CD - ASTM D7004	LBS	290	KGS	132	N	1290
TONGUE TEAR – MD – ASTM D5884	LBS	90	KGS	41	N	400
TONGUE TEAR- CD – ASTM D 5884	LBS	85	KGS	39	N	378
PUNCTURE RESISTANCE – ASTM D4833	LBS	180	KGS	82	N	801
MULLEN BURST – ASTM D751	PSI	691	BAR	48	KPA	4762
HYDROSTATIC RESISTANCE – ASTM D751	PSI	440	BAR	30	KPA	3035
DIMENSIONAL STABILITY – ASTM D1204	MD – 2.2 %					
	CD – 1.6 %					
LOW TEMPERATURE FLEX – ASTM D2136	MD&CD:PASS@-65°C(-85°F)					
ACCELERATED UV WEATHERING – ASTM D 7238	>90% tensile Strength retention after 10,000 light hours					

Technical Specifications

	30 MIL SINGLE FILM LAMINATED					
PROPERTY	IMPERIAL		METRIC			
THICKNESS - ASTM D1777 (±10%)	MIL	30	MM	0.75	INCH	0.0295
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	450	oz/yd ²	13.275	-	-
STRIP TENSILE STRENGTH MD - ASTM D7003	LBS	285	KGS	129	N	1268
STRIP TENSILE STRENGTH CD - ASTM D7003	LBS	250	KGS	113	N	1112
GRAB TENSILE MD - ASTM D7004	LBS	370	KGS	168	N	1646
GRAB TENSILE CD - ASTM D7004	LBS	340	KGS	154	N	1513
TONGUE TEAR - MD - ASTM D5884	LBS	50	KGS	23	N	222
TONGUE TEAR - CD - ASTM D 5884	LBS	55	KGS	25	N	245
PUNCTURE RESISTANCE - ASTM D4833	LBS	140	KGS	64	N	623
MULLEN BURST - ASTM D751	PSI	706	BAR	49	KPA	4871
HYDROSTATIC RESISTANCE - ASTM D751	PSI	440	BAR	30	KPA	3035
DIMENSIONAL STABILITY - ASTM D1204	MD - 2.9 %					
	CD - 1.0 %					
LOW TEMPERATURE FLEX - ASTM D2136	MD&CD:PASS@-65°C(-85°F)					
ACCELERATED UV WEATHERING - ASTM D 7238	>90% tensile Strength retention after 10,000 light hours					

	40 MIL					
PROPERTY	IMPERIAL		METRIC			
MASS PER UNIT AREA - ASTM D751 (±5%)	MIL	520	oz/yd ²	15.34	-	-
STRIP TENSILE STRENGTH MD - ASTM D7003	GSM	365	KGS	166	N	1625
STRIP TENSILE STRENGTH CD - ASTM D7003	LBS	250	KGS	113	N	1113
GRAB TENSILE MD - ASTM D7004	LBS	400	KGS	181	N	1780
GRAB TENSILE CD - ASTM D7004	LBS	430	KGS	195	N	1914
TONGUE TEAR - MD - ASTM D5884	LBS	140	KGS	64	N	623
TONGUE TEAR - CD - ASTM D 5884	LBS	145	KGS	66	N	645
PUNCTURE RESISTANCE - ASTM D4833	LBS	220	KGS	100	N	979
THICKNESS - ASTM D1777 (*10%)	LBS	1000	MM	1.00	INCH	0.0393
MULLEN BURST - ASTM D751	PSI	762.58	BAR	53	KPA	5300
HYDROSTATIC RESISTANCE - ASTM D751	PSI	805.75	BAR	56	KPA	5600
DIMENSIONAL STABILITY - ASTM D1204	MD - 3.7 %					
	CD - 2.1 %					
LOW TEMPERATURE FLEX - ASTM D2136	MD&CD:PASS@-65°C(-85°F)					
ACCELERATED UV WEATHERING - ASTM D 7238	>90% tensile Strength retention after 2,000 light hours					

	30 MIL DOUBLE TAPE					
PROPERTY	IMPERIAL		METRIC			
THICKNESS - ASTM D1777 (±10%)	MIL	750	MM	0.75	INCH	0.0295
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	450	oz/yd ²	13.275	-	-
STRIP TENSILE STRENGTH MD - ASTM D7003	LBS	355	KGS	161	N	1580
STRIP TENSILE STRENGTH CD - ASTM D7003	LBS	185	KGS	84	N	823
GRAB TENSILE MD - ASTM D7004	LBS	410	KGS	186	N	1824
GRAB TENSILE CD - ASTM D7004	LBS	250	KGS	113	N	1112
TONGUE TEAR - MD - ASTM D5884	LBS	95	KGS	43	N	423
TONGUE TEAR - CD - ASTM D 5884	LBS	95	KGS	43	N	423
PUNCTURE RESISTANCE - ASTM D4833	LBS	195	KGS	88	N	868
MULLEN BURST - ASTM D751	PSI	691	BAR	48	KPA	4762
HYDROSTATIC RESISTANCE - ASTM D751	PSI	440	BAR	30	KPA	3035
DIMENSIONAL STABILITY - ASTM D1204	MD - 2.2 %					
	CD - 1.6 %					
LOW TEMPERATURE FLEX - ASTM D2136	MD&CD:PASS@-65°C(-85°F)					
ACCELERATED UV WEATHERING - ASTM G 151 & 154	>90% tensile Strength retention after 2000 hrs exposure @0.77 W/m2/nm, or 1200 exposure @ 1.35W/m2/nm,					

	40 MIL SINGLE FILM LAMINATED					
PROPERTY	IMPERIAL		METRIC			
THICKNESS - ASTM D1777 (±10%)	MIL	40	MM	1.00	INCH	0.0393
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	650	oz/yd ²	19.175	-	-
STRIP TENSILE STRENGTH MD - ASTM D7003	LBS	375	KGS	170.10	N	1669
STRIP TENSILE STRENGTH CD - ASTM D7003	LBS	290	KGS	131.54	N	1290
GRAB TENSILE MD - ASTM D7004	LBS	600	KGS	272.16	N	2670
GRAB TENSILE CD - ASTM D7004	LBS	470	KGS	213.19	N	2091
TONGUE TEAR - MD - ASTM D5884	LBS	130	KGS	58.97	N	578
TONGUE TEAR - CD - ASTM D 5884	LBS	120	KGS	54.43	N	534
PUNCTURE RESISTANCE - ASTM D4833	LBS	200	KGS	90.72	N	890
MULLEN BURST - ASTM D751	PSI	777	BAR	53.57	KPA	5357
HYDROSTATIC RESISTANCE - ASTM D751	PSI	816	BAR	56.25	KPA	5625
DIMENSIONAL STABILITY - ASTM D1204	MD - 3.3 %					
	CD - 2.5 %					
LOW TEMPERATURE FLEX - ASTM D2136	MD&CD:PASS@-65°C(-85°F)					
ACCELERATED UV WEATHERING - ASTM D 7238	>90% tensile Strength retention after 10,000 light hours					

Technical Specifications

	40 MIL DOUBLE TAPE					
PROPERTY	IMPERIAL		METRIC			
THICKNESS – ASTM D1777 (±10%)	MIL	40	MM	1.00	INCH	0.0393
MASS PER UNIT AREA - ASTM D751 (±5%)	GSM	520	oz/yd2	15.34	-	-
STRIP TENSILE STRENGTH MD – ASTM D7003	LBS	365	KGS	166	N	1624
STRIP TENSILE STRENGTH CD – ASTM D7003	LBS	250	KGS	113	N	1112
GRAB TENSILE MD - ASTM D7004	LBS	400	KGS	181	N	1780
GRAB TENSILE CD - ASTM D7004	LBS	430	KGS	195	N	1913
TONGUE TEAR – MD – ASTM D5884	LBS	140	KGS	64	N	623
TONGUE TEAR- CD – ASTM D 5884	LBS	145	KGS	66	N	645
PUNCTURE RESISTANCE – ASTM D4833	LBS	220	KGS	100	N	979
MULLEN BURST – ASTM D751	PSI	762.58	BAR	53	KPA	5258
HYDROSTATIC RESISTANCE – ASTM D751	PSI	805.75	BAR	56	KPA	5556
DIMENSIONAL STABILITY – ASTM D1204	MD – 3.7 %					
	CD – 2.1 %					
LOW TEMPERATURE FLEX – ASTM D2136	MD&CD:PASS@-65°C(-85°F)					
ACCELERATED UV WEATHERING – ASTM G 151 & 154	>90% tensile Strength retention after 2000 hrs					

