

SPECIFICATION OF PVC MEMBRANE

Typical Properties	Test Method	10 mil	20 mil	30 mil	40 mil	50 mil	60 mil
		0.25 mm	0.50 mm	0.75 mm	1.00 mm	1.25 mm	1.50 mm
Gauge (Nominal)							
Thickness (mils)	ASTM D 5199 / D 374	± 5%	± 5%	± 5%	± 5%	± 5%	± 5%
Specific Gravity (min)	ASTM D 792	1.3	1.3	1.3	1.3	1.3	1.3
Tensile Properties	ASTM D 882						
Break Strength (lbs/in)	Method A (MD & TD)	25	48	73	97	121	145
Elongation at Break (%)	Method A (MD & TD)	350	350	350	400	425	450
Modulus at 100%(lbs/in)	Method A (MD & TD)	11	23	34	41	50	60
Tear Resistance (lbs/in)	ASTM D 1004 Die C	3.2	6.5	8.5	10.5	13	15
Low Temp. Pass ©	ASTM D 1790	-23	-26	-29	-29	-29	-29
Dimensional Stability Percent (max)	ASTM 1204 (MD & TD)	4	4	3	3	3	3
Water Extraction Percent Loss (max)	ASTM D 3083/D 570	0.15	0.15	0.15	0.2	0.2	0.2
Volatile Percent Loss (max)	ASTM D 1203 (A)	1.5	0.9	0.7	0.5	0.5	0.5
Water Vapor Transmission (max)	ASTM 814 , max	5.9 X 10 ⁹ cm/sec					
Hydrostatic Resistance lbs/in ² (min)	ASTM D 751 (A)	42	68	100	120	150	180
Peel Strength, lbs/in (min)	ASTM D 882	10	12.5	15	15	15	15
Shear Strength, lbs/in (min)	ASTM D 882	20	38.4	58.4	77.6	96	116