

Prime PVC Liner

Specification sheet

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Polyvinyl Chloride (PVC)

Property	Test Method	Value				
Certified Properties						
Thickness(Mils nominal)	ASTM 5199	10	20	30	40	60
Thickness, Min	ASTM D792	0.0095"	.019"	.0285"	.038"	.057"
Min.Tensile Properties						
1. Strenth at Break	ASTM D882, MIN(MD & TD)	24	48	73	97	137
		lbs/in	lbs/in	lbs/ in	lbs/in	lbs/in
2. Elongation at Break	ASTM D882	250%	360%	380%	430%	450%
3. Modulus @100% Enlongation	ASDM D882	10	21	32	40	60
		lbs/in	lbs/in	lbs/in	lbs/in	lbs/in
Tear Strength(min. average lbs)	Astm d 1004	2.5	6	8	10	15
Dimensional Stability	ASTM D1204, MAX CHG(MD &TD)	4%	4%	3%	3%	3%
Low Temperature Impact	ASTM D1790, PASS	-10° F	-15° F	-20° F	-20° F	-20° F
INDEX PROPERIES						
Specific Gravity	ASTM D792, TYPICAL	1.2	1.2	1.2	1.2	1.2
Water Extraction(Max, % wt loss)	ASTM D1239	0.15%	0.15%	0.15%	0.20%	0.20%
Average Plasticizer Molecular Weight	ASTM D2124	400	400	400	400	400
Volatile Loss(Max % wt loss)	ASTM D1203	1.5%	0.9%	0.7%	0.5%	0.5%
Resistance to soil Burial(%Δ Max in original value)						
1.Breaking Factor	ASTM G160	5%	5%	5%	5%	5%
2. Elongation at Break(%)	ASTM G160	20%	20%	20%	20%	20%
3.Modulus(Force)@ 100% Elongation	ASTM G160	20%	20%	20%	20%	20%
Hydro Resistance (lbs/sq.in.min)	ASTM D751	42 PSI	68 PSI	100 PSI	120 PSI	180 PSI
SEAM REQUIREMENTS		DIELECTRIC FUSION WELD				
Factory Seaming Method						
Shear Strength(lbs/in min)	ASTM D3083	20	38.4	58.4	77.6	116
		lbs/in	lbs/in	lbs/in	lbs/in	lbs/in
Peel Adhesion(lbs/in min)	ASTM D413	10	12.5	15	15	15
		lbs/in	lbs/in	lbs/in	lbs/in	lbs/in