

## 20-60mil PVC (POLYVINYL CHLORIDE LINER)

TESTED PROPERTY	TEST METHOD	UNIT ENGLISH METRIC	VALUE ENGLISH(METRIC)	
			20PV	30PV
Thickness	ADTM D 5199	mil(mm)	20±1 (0.51±0.03)	30±1.5 (0.76±0.04)
Tensile properties: Strength at break Elongation Modulus @ 100%	ASTM D 882 Min	lbs/in(kN/m) % lbs/in(kN/m)	48(8.4) 360 21 (3.7)	73(12.8) 380 32 (5.6)
Tear Strength	ASTM D 1004 min	lb(N)	6(27)	8(35)
Dimensional Stability	ASTM D1204 Max Chg	%	4	3
Low temperature impact	ASTM D 1790 Pass	°F ( ° C )	-15 (-26)	-20 (-29)
<b>INDEX PROPERTIES</b>				
Specific Gravity	ASTM D 792 Typical	g/cc	1.2	1.2
Water Extraction %loss(Max)	ASTM D 1239 Max Loss	%	0.15	0.15
Average Plasticizer Molecular Weight	ASTM D 2124		400	400
Votatility Loss % loss(Max)	ASTM D 1203 Max Loss	%	0.9	0.7
Soil Burial Break strength Elongation Modulus @ 100%	G160 max chg	% % %	5 20 20	5 20 20
Hydrostatic Resistance	ASTM D 751 min	psi(kpa)	68(470)	100(690)
<b>SEAM STRENGTH</b>				
Shear Strength	ASTM 882 D min	lbs/in(kN/m)	38.4(6.7)	58.4(10)
Peel Strength	ASTM 882 D min	lbs/in(kN/m)	12.5(2.2)	15(2.6)

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40PV	50PV	60PV
40±2 (1.02±0.05)	50±2.5 (1.27±0.06)	60±3 (1.52±0.08)
97(17) 430 40 (7.0)	116(20.3) 430 50 (8.8)	137(24.0) 450 60 (10.5)
10(44)	13(58)	15(67)
3	3	3
-20 (-29)	-20 (-29)	-20 (-29)
1.2	1.2	1.2
0.2	0.2	0.2
400	400	400
0.5	0.5	0.5
5 20 20	5 20 20	5 20 20
120(830)	150(1030)	180 (1240)
77.6(14)	96(17)	116(20)
15(2.6)	15(2.6)	15(2.6)

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