



## SPECIFICATION SHEET

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# Polyvinyl Chloride (PVC)

Property	Test Method	Values				
<b>CERTIFIED PROPERTIES</b>						
Thickness (mils nominal)	ASTM 5199	10	20	30	40	60
Thickness, min.	ASTM D792	.0095"	.019"	.0285"	.038"	.057"
<b>Min. Tensile Properties</b>						
1. Strength at Break	ASTM D882, Min (MD & TD)	24 lbs/in.	48 lbs/in.	73 lbs/in.	97 lbs/in.	137 lbs/in.
2. Elongation at Break (%)	ASTM D882	250%	360%	380%	430%	450%
3. Modulus @ 100% Elongation	ASTM D882	10 lbs/in.	21 lbs/in.	32 lbs/in.	40 lbs/in.	60 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
<b>INDEX PROPERTIES</b>						
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%
<b>Resistance to Soil Burial (%Δ max in original value)</b>						
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%
Hydrostatic Resistance (lbs/sq.in. min)	ASTM D751	42 psi	68 psi	100 psi	120 psi	180 psi
<b>SEAM REQUIREMENTS</b>						
Factory Seaming Method		Dielectric Fusion Weld				
Shear Strength (lbs/in min)	ASTM D3083	20 lbs/in	38.4 lbs/in	58.4 lbs/in	77.6 lbs/in	116 lbs/in
Peel Adhesion (lbs/in min)	ASTM D413	10 lbs/in	12.5 lbs/in	15 lbs/in	15 lbs/in	15 lbs/in

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