



**NORTHWEST LININGS &
GEOTEXTILE PRODUCTS, Inc.**

"Helping to Protect the Environment"

21000 77th Avenue South

Kent, WA 98032

(253) 872-0244 • (800) 729-6954

FAX: (253) 872-0245

www.northwestlinings.com

Polyvinyl Chloride (PVC) Specification

Property	Test Method	Specified Values				
Thickness Mills (Nominal +/- 5%)	ASTM-D 5199	10	20	30	40	50
Specific Gravity, min	ASTM-D792	1.20	1.20	1.20	1.20	1.20
Minimum Tensile Properties	ASTM-D882	2300	2300	2300	2300	2300
Breaking Factor (pds, in, width)	ASTM-D882	24	48	73	97	121
Elongation at Break (%)	ASTM-D882	250	360	360	400	425
Modulus (force) at 100%						
Elongation pds, in, width (kN/m)	ASTM-D882	10.0 (1.8)	21.0 (3.7)	32.0 (5.6)	40.0 (7.0)	50.0 (8.8)
Tear Resistance, lbs., min (N, min)	ASTM-D1004	2.5 (11)	6 (27)	8 (35)	10 (44)	13 (58)
Low Temperature Degrees C	ASTM-D1790	-23	-26	-29	-29	-29
Dimensional Stability, % Change, Max	ASTM-D1204 (212 Deg F, 15 min)	4.0	4.0	3.0	3.0	3.0
Water Extraction Max % wt loss	ASTM-D3083	0.15	0.15	0.15	0.20	0.20
Volatility Percentage loss, max	ASTM-D1203	1.5	0.90	0.70	0.50	0.50
Resistance to Soil Burial % change, max in original value	ASTM-D3083					
Braking Factor		-5	-5	-5	-5	-5
Elongation, @ Break		-20	-20	-20	-20	-20
Modulus @ 100% Elongation		+20	+20	+20	+20	+20
Hydrostatic Resistance, psi, min.	ASTM-D751	42	68	100	120	150
Factory Seam Requirements	Dielectric Fusion Weld					
Bonded Seam Strength (Factory seam breaking factor, ppi width)	ASTM-D3083	20.0	38.4	58.4	77.6	96
Peel Adhesion, lbs/ in.min.	ASTM-D413	10	12.5	15	15	15
Field Seam Requirements	Bodied Solvent or Wedge Weld					
Bonded Seam	ASTM-D3083	18.7	36.8	55.2	73.6	96

"Celebrating 31 Years of Service 1973 - 2004"

The information and data contained herein are believed to be accurate and reliable. Northwest Linings makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information