



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

"Helping to Protect the Environment"

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HDPE Textured Specifications(GRI-GM13)

PROPERTY	Frequency ¹	TEST METHOD	HT40 mil	HT60 mil	HT80 mil	HT100 mil
Thickness- (nominal) (mils)			40	60	80	100
Thickness- (min. average.) (mils)	per roll	D5994	38	57	76	95
• Lowest individual. of 8 of 10 values			36	54	72	90
• Lowest individual. of 10 values			34	51	68	85
TENSILE PROPERTIES (min. average.)	50,000 SF	D638 Type IV Specimaen @ 2 in/min				
• Yield Strength (lb/in)			84	126	168	210
• Break Strength (lb/in)			60	90	120	150
• Break Elongation (%)			12	12	12	12
• Yield Elongation (%)			100	100	100	100
Tear Resistance (min. average.) (lb)	50,000 SF	D1004	28	42	56	70
Puncture Resistance (min. average.) (lb)	50,000 SF	D4833 FTMS 101/Method 2065 ²	60	90	120	150
Carbon Black Content (range) (%)	50,000 SF	D1603/D4218	2.0-3.0	2.0-3.0	2.0-3.0	2.0-3.0
Carbon Black Dispersion	50, 000 SF	D5596	Note	Note	Note	Note
Density (min. average.) (g/cc)	Resin Batch	D1505/D792	0.940	0.940	0.940	0.940
Stress Crack Resistance (hr)	Resin Batch	D5397 (App.)	200	200	200	200
Dimensional Stability (max. average.) (%)	Resin Batch	D1204	±2	±2	±2	±2
Seam Properties		D4437				
1. Shear Strength, lb/in			80	120	160	200
2. Peel Strength, lb/in			59 & FTB	88 & FTB	118 & FTB	147 & FTB

¹ = Testing frequencies are rounded to the nearest full roll.

² = FTMS has been replaced with 4833. Value shown for comparison purposes only. Carbon Black Dispersion for 10 different views: all 10 in Categories 1 or 2.

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

"Celebrating 31 Years of Service 1973 - 2004"