

707 W. Grange Street * Philadelphia, PA 19120 800-523-0888 * Fax 215-927-3388

NW 80 NON-WOVEN GEOTEXTILE

This letter is to certify that the NW 80, a non-woven polypropylene fabric supplied by Mutual Industries, meets the fabric properties listed below:

| Grab Tensile Strength: | ASTM D-4632 | 215 LBS |
|--------------------------|--------------------|-------------|
| Grab Elongation: | ASTM D-4632 | 50 % |
| Trapezoid Tear: | ASTM D-4533 | 85 LBS |
| Puncture: | ASTM D-4833 | 115 LBS |
| Mullen Burst: | ASTM D-3786 | 360 PSI |
| Permitivity: | ASTM D-4491 | 1.0 SEC |
| Permeability: | ASTM D-4491 | .25 CM/SEC |
| A.O.S. | ASTM D-4751 | 80 US Sieve |
| Water Flow | ASTM D-4491 | 65 gpm/ft2 |
| U.V. Resistance (500 hr) | ASTM D-4355 | 70 % |
| Weight per square yard | | 8 02 |