

ENGINEERING DIVISION		
PUBLIC WORKS DEPARTMENT City of Overland Park, Kansas		
Date	4-16-04	
Reviewed By	Petra	
<input checked="" type="checkbox"/> APPROVED	<input type="checkbox"/> APPROVED AS NOTED	<input type="checkbox"/> REJECTED
Project _____		

Geotextile Product Description Sheet

Style TNS R080

TNS R080 is a superior quality, nonwoven geotextile produced by needlepunching together 100% polypropylene staple fibers in a random network to form a high strength dimensionally stable fabric. The polypropylene fibers are specially formulated to resist ultraviolet light deterioration, and are inert to commonly encountered soil chemicals. The fabric will not rot or mildew, is non-biodegradable, and is resistant to damage from insects and rodents. Polypropylene is stable within a pH range of 2 to 13. TNS R080 conforms to the physical property values listed below:

Fabric Property	Test Method	Units	Minimum Average Roll Value
Weight (typical)	ASTM D 5261	oz/sq.yd.	8.0 (271 g/sm)
Grab Tensile	ASTM D 4832	lbs.	205 (.911 kN)
Grab Elongation	ASTM D 4832	%	50
Trap Tear	ASTM D 4533	lbs.	85 (.378 kN)
Puncture	ASTM D 4833	lbs	130 (.578 kPa)
Mullen Burst	ASTM D 3786	psi	400 (2756 kPa)
Permittivity*	ASTM D 4491	1/sec	1.4
Water Flow*	ASTM D 4491	gpm/sqft	90 (3657 l/min/sm)
AOS	ASTM D 4751	U.S. Sieve	80 (.180 mm)
UV Resistance after 500 hrs.	ASTM D 4355	% Strength Retained	70

Packaging	
Roll Dimensions-Feet	12.5 x 360/15 x 300
Square Yards Per Roll	500
Estimated Roll Weight-Lbs.	250

* At time of manufacturing, handling may change these properties. To the best of our knowledge, the information contained herein is accurate. However, TNS Advanced Technologies cannot anticipate all conditions under which TNS product information and our products, or the products of other manufacturers in combination with our products, may be used. We accept no responsibility for results obtained by the application of this information or the safety or suitability of our products either alone or in combination with other products. Final determination of the suitability of any information or material for the use contemplated, of its manner of use, and whether the suggested use infringes any patents is the sole responsibility of the user.

The New Standard in Geotextiles