



## GGG 4.0 Nonwoven

GGG 4.0N is a needle-punched nonwoven geotextile made of 100% polypropylene staple fibers, which are formed into a random network for dimensional stability. GGG 4.0N resists ultraviolet deterioration, rotting, biological degradation, naturally encountered basics and acids. Polypropylene is stable within a pH range of 2 to 13. GGG 4.0N meets or exceeds the physical property values listed below:

Property	Test Method	Unit	M.A.R.V
Weight (typical)	ASTM D 5261	oz/sy	4.0
Grab Tensile	ASTM D 4632	lbs	100
Grab Elongation	ASTM D 4632	%	50
Trapezoidal Tear	ASTM D 4533	lbs	50
CBR Puncture	ASTM D 6241	lbs	310
Mullen Burst	ASTM D 3786	psi	210
Permittivity	ASTM D 4491	1/sec	2.0
Water Flow	ASTM D 4491	gpm/sf	140
AOS	ASTM D 4751	US Std Sieve	70
UV Resistance	ASTM D 4355	%/hours	70/500hrs