



800R Geotextile Specification Sheet

800R is a needle-punched nonwoven geotextile made of 100% virgin polypropylene staple fibers, which are formed into a random network for dimensional stability. 800R resists ultraviolet deterioration, rotting, biological degradation, naturally encountered alkalis and acids. Polypropylene is stable within the pH range of 2-13.

Types of applications for 800R are: Light Coastal Applications / Abrasion Resistance Requirements / Cushion Requirements as well for plastic liners to avoid punctures in a plastic liner such as EPDM, PVC, HDPE.

800R: 24" (inches) maximum rip-rap size / Good abrasion resistance / Medium to high strength at high elongation.

Property	ASTM Test Method	Value Metric Units
Typical Geotextile Properties		
• Weight (Typical)	D 5261	312 g / m ² (12 oz/sqyd)
• Grab Tensile Strength	D 4632	1330 N
• Grab Elongation	D 6432	50-105%
• Puncture CBR	D 6241	3780 N
• Permittivity	D 4491	1.0 sec ⁻¹
• Water Flow	D 4491	3055 l/min/m ²
• Apparent Opening Size	D 4751	0.150 mm
• U.V. Stability	D 4355	70% @ 500hrs

