

Marafi® RS280i is a revolutionary geosynthetic with orange identification yarns for easy identification, combined in an innovative weave of super high-tenacity polypropylene, providing superior reinforcement strength. Its unique double layer construction with uniform openings provide excellent separation and superior filtration, drainage and flow characteristics. This highly durable geosynthetic with superior soil and base course confinement make it an ideal product for projects with moderate and severe stress.

- Subgrade Stabilization
- Embankment Stabilization
- Separation and Filtration
- Drainage
- Geomembrane Liner Support
- Soil Reinforcement
- Confinement
- Mechanically Stabilized Earth Structure Reinforcement

### Certified Typical Properties

### ASTM

Certified Typical Properties	ASTM	Value
Tensile Strength @ 2% Strain (MD)	D-4595	840 lbs/ft
Tensile Strength @ 2% Strain (CD)	D-4595	960 lbs/ft
Tensile Strength @ 5% Strain (MD)	D-4595	1980 lbs/ft
Tensile Strength @ 5% Strain (CD)	D-4595	2100 lbs/ft
Flow Rate	D-4491	85 gal/min/ft <sup>2</sup>
Permittivity	D-4491	1.2 sec <sup>-1</sup>
Pore Size O <sub>95</sub>	D-6767	273 microns
Pore Size O <sub>50</sub>	D-6767	175 microns
Apparent Opening Size (AOS)	D-4751	40 U.S. Sieve
Interaction Coefficient	D-6706	0.89
Factory Sewn Seam	D-4884	2400 lbs/ft
UV Resistance (at 500 hours)	D-4355	90% strength retained