

Woven Geotextile Fabrics Technical Specifications

Parameter	Specification	Test Standard
Material Composition	UV-stabilized polypropylene (PP) filaments	ISO 10318
Weight	200-500 g/m² (customizable)	ASTM D5261
Tensile Strength (MD/CD)	30-150 kN/m (machine/cross direction)	ASTM D4595
Elongation at Break	≤15%	ASTM D4632
CBR Puncture Resistance	500-3000 N	EN ISO 12236
Permeability	10 ⁻³ - 10 ⁻⁴ m/s (vertical)	ASTM D4491
AOS (Apparent Opening Size)	0.07-0.2 mm (retains soil particles)	ASTM D4751
Thickness	0.5-3.0 mm (under 2 kPa)	ASTM D5199
Chemical Resistance	Stable in pH 2-13 environments	ASTM D5322
UV Resistance	>2000 hours (50% strength retained)	ISO 4892-3
Roll Dimensions	Width: 2-8 m; Length: 50-150 m (customizable)	-
Color Options	Black, white, or grey (standard)	-