

Geotextile Road Fabric Technical Specifications

Parameter	Woven Type	Nonwoven Type	Test Standard
Material	UV-stabilized PP/PE flat yarn	PP/PET needle-punched fibers	ISO 10318
Weight	150-500 g/m²	100-800 g/m²	ASTM D5261
Tensile Strength (MD)	30-150 kN/m	8-40 kN/m	ASTM D4595
Elongation at Break	8-25%	30-80%	ISO 10319
CBR Puncture Resistance	1500-3500 N	500-2500 N	EN ISO 12236
Permeability	5×10^{-4} - 1×10^{-3} m/s	1×10^{-3} - 5×10^{-3} m/s	ASTM D4491
AOS (Opening Size)	0.07-0.2 mm	0.08-0.3 mm	ASTM D4751
Thickness	0.5-3.0 mm	1.0-5.0 mm	ASTM D5199

Parameter	Woven Type	Nonwoven Type	Test Standard
UV Resistance	≥70% after 500 hrs	≥50% after 500 hrs	ASTM D4355
Roll Dimensions	Width: 2-8 m; Length: 50-100 m (customizable)	Width: 1-6 m; Length: 50-150 m (customizable)	Manufacturer specs