

NonWoven Geotextile Fabrics Technical Specifications

Category	Parameter	Test Standard	Range/Value	Unit
Material Properties	Composition	-	100% PP/PET (UV-stabilized)	-
	Fiber Type	ISO 10319	Continuous Filament	-
	Manufacturing Method	-	Needle-punched	-
Physical Metrics	Weight	ASTM D5261	100–800	g/m²
	Thickness	ASTM D5199	0.5–5.0	mm
	Roll Dimensions	-	Width: 1–6 m; Length: 50–150 m	m
Mechanical Strength	Tensile Strength (MD)	ASTM D4632	8–40	kN/m
	Elongation at Break	ASTM D4632	30–80	%
	CBR Puncture Resistance	ISO 12236	200–1,500	N
	Trapezoidal Tear Strength	ASTM D4533	0.3–1.5	kN
Hydraulic Properties	Permittivity (Ψ)	ASTM D4491	0.02–2.0	sec ⁻¹
	Apparent Opening Size (AOS)	ASTM D4751	0.07–0.30	mm
	Flow Rate	ASTM D4491	10–100	l/m²/s
Durability	UV Resistance	ASTM D4355 (500 hrs)	≥70% strength retention	-

Category	Parameter	Test Standard	Range/Value	Unit
	Chemical Resistance	-	pH 2–13	-
Quality Compliance	Certifications	-	ISO 9001, ASTM D4759, EN 13249	-