

Geotextile Sandbags Technical Specifications

Parameter	Specification Range	Test Standard	Notes
Material Type	Woven/Nonwoven Polypropylene	ISO 10318	UV-stabilized
Fabric Weight	150-600 g/m²	ASTM D5261	Customizable
Tensile Strength MD	8-25 kN/m	ASTM D4595	Machine Direction
Tensile Strength XD	7-20 kN/m	ASTM D4595	Cross Direction
Elongation at Break	≤15%	ISO 10319	Both directions
CBR Puncture	≥350 N	ASTM D6241	
Permittivity	0.1-2.0 s ⁻¹	ASTM D4491	Hydraulic conductivity
AOS (Opening Size)	70-200 µm	ASTM D4751	Filtration opening size
UV Resistance	≥70% @ 500hrs	ASTM D4355	Strength retention
pH Resistance	2-12	ASTM D5322	Chemical stability range
Standard Dimensions	40×60 cm, 50×80 cm, 60×100 cm	GRI-GM13	Custom sizes available
Seam Efficiency	≥90%	ISO 10321	Double stitched
Service Life	Exposed: 3-7 yrs Buried: 5-15 yrs	-	Environment dependent