

Fiberglass Geogrid Technical Specifications

Parameter	Standard Range	Test Method	Notes
Material Composition	E-glass fiber + polymer coating	-	PVC/asphalt coating options
Tensile Strength (kN/m)	50-300 (MD & XD)	ASTM D6637	MD = Machine Direction
Elongation at Break	≤3%	ISO 10319	Low-stretch characteristic
Aperture Size	20x20 - 40x40 mm	EN ISO 9864	Square/rectangular patterns
Roll Dimensions	2-6m (width) x 50-100m (length)	-	Custom cuts available
Temperature Range	-70°C to +230°C	ASTM D4595	No performance degradation
UV Resistance	5000+ hours (QUV)	ASTM G154	With protective coating
Chemical Resistance	pH 2-13 stable	ISO 12960	Acid/alkali environments
Creep Reduction	<0.5% @ 20% load	EN ISO 13431	Critical for long-term use
Coating Weight	30-80 g/m ²	ASTM D792	PVC coating typically 50g/m ²