

Uniaxial Geogrid Technical Specifications

Parameter	Specification Range	Test Standard
Material Type	HDPE/Polypropylene	ASTM D883
Tensile Strength	20-400 kN/m (MD)	ASTM D6637
Elongation at Break	≤12%	ISO 10319
Aperture Size	25×100mm - 100×100mm	EN ISO 10318
Roll Dimensions	Width: 2-6m; Length: 50-100m	-
Junction Strength	≥90% of rib strength	EN 15381
Carbon Black Content	2.0-3.0%	ASTM D4218
Temperature Range	-40°C to +80°C	ASTM D5321
Chemical Resistance	pH 1.5-13.5	ISO 12960
Creep Reduction	≤2% @ 60% load (10,000 hrs)	ASTM D5262
Design Life	100+ years	ISO 13437
UV Resistance	5000+ hours weatherability	ASTM G154