

Triaxial Geogrid Technical Specifications

Parameter	Standard Grade	Premium Grade	Test Method
Material	PP (Polypropylene)	PET (Polyester)	ISO 10318
Aperture Shape	Hexagonal	Hexagonal	Visual Inspection
Aperture Size (mm)	40±5	35±3	ISO 10319
Thickness (mm)	1.2-1.8	1.5-2.0	ASTM D5199
Tensile Strength (kN/m)	15-25	25-40	ASTM D6637
Elongation at Break (%)	≤10	≤8	ISO 10319
Junction Efficiency (%)	≥85	≥90	EN 15381
UV Resistance	5,000 hrs @ 80% strength	10,000 hrs @ 85% strength	ASTM D4355
Temperature Range	-40°C to +80°C	-50°C to +100°C	ASTM D5321
Roll Dimensions	4m×50m	5m×100m	-
Weight (g/m²)	300-400	450-600	ISO 9864
Chemical Resistance	pH 3-11	pH 2-12	ASTM D5322