

Uniaxial Geogrid

Geosynthetic Product Specification

Technical specifications for Uniaxial Geogrid, including available product grades and stated parameters.

TECHNICAL SPECIFICATIONS

Grade specifications / BGUG25, BGUG35, BGUG50, BGUG80

Property	Unit	BGUG25	BGUG35	BGUG50	BGUG80
Tensile Strength ≥ / HDPE	kN/m	≥25	≥35	≥50	≥80
Tensile Strength ≥ / PP	kN/m	≥25	≥35	≥50	≥80
Strength at 2% elongation ≥ / HDPE	kN/m	≥6	≥9	≥10	≥23
Strength at 2% elongation ≥ / PP	kN/m	≥7	≥10	≥12	≥26
Strength at 5% elongation ≥ / HDPE	kN/m	≥12	≥18	≥25	≥44
Strength at 5% elongation ≥ / PP	kN/m	≥14	≥20	≥28	≥48

Grade specifications / BGUG110, BGUG120, BGUG150

Property	Unit	BGUG110	BGUG120	BGUG150
Tensile Strength $\geq$ / HDPE	kN/m	≥ 110	≥ 120	≥ 150
Tensile Strength $\geq$ / PP	kN/m	≥ 110	≥ 120	≥ 150
Strength at 2% elongation $\geq$ / HDPE	kN/m	≥ 30	≥ 35	≥ 46
Strength at 2% elongation $\geq$ / PP	kN/m	≥ 32	≥ 38	≥ 48
Strength at 5% elongation $\geq$ / HDPE	kN/m	≥ 60	≥ 70	≥ 87
Strength at 5% elongation $\geq$ / PP	kN/m	≥ 64	≥ 75	≥ 93

Grade specifications / shared values for all listed grades

Property	Unit	Specification / Value
Elongation / HDPE	%	11-16
Elongation / PP	%	10

Technical disclaimer

Specifications shown in this document are based on the available product data for the listed grade or series. Final specifications, dimensions and documentation should be confirmed according to the selected product and project requirements.