

ZHONGLONG PLASTIC GEOGRIDS

Product Specifications / Technical Data Sheet

Uniaxial Stretched Geogrid (PP)

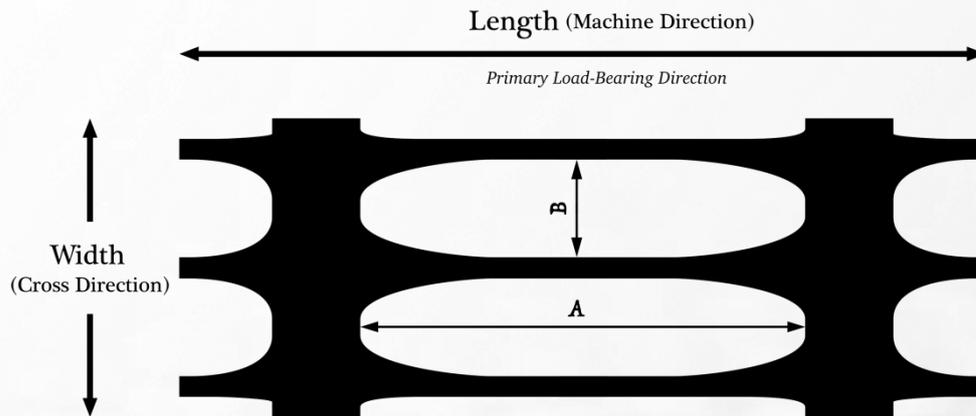


Figure 1 Uniaxial Stretched Geogrid

Technical Parameter

Dimension	Length/Roll (m)		50-100			
	Width (m)		1-3			
	Internal Hole * (mm)		A≤450; B≤30			
Mechanical Performance	Spec.	Mass per Unit Area	Tensile Strength (MD)	Tensile Strength at 2% Elongation (MD)	Tensile Strength at 5% Elongation (MD)	Nominal elongation rate (MD)
		g/m ²	kN/m	kN/m	kN/m	%
	TGDG 80	≥250	≥80	≥28	≥56	≤10
	TGDG 120	≥350	≥120	≥42	≥84	
	TGDG 160	≥450	≥160	≥56	≥112	
TGDG 200	≥550	≥200	≥70	≥140		
Durability	Carbon Black Content (%)		≥2.0			
	UV Resistance Retention Rate (%)		≥90			

* A is the length of the inner hole of the geogrid, B is the width of the inner hole of the geogrid. see Figure 1.

Biaxial Stretched Geogrid (PP)

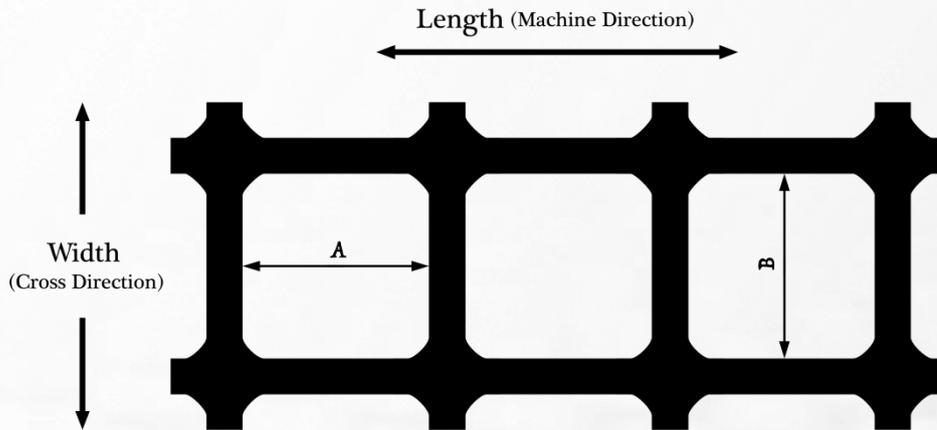


Figure 2 Biaxial Stretched Geogrid

Technical Parameter

Dimension	Length/Roll (m)		50-100			
	Width (m)		3, 4, 6			
	Internal Hole * (mm)		$20 \leq A \leq 50$; $20 \leq B \leq 50$			
Mechanical Performance	Spec.	Mass per Unit Area	Tensile Strength	Tensile Strength at 2% Elongation	Tensile Strength at 5% Elongation	Nominal elongation rate (MD/CD)
		g/m ²	kN/m	kN/m	kN/m	%
	TGSG 3030	≥ 260	≥ 30.0	≥ 10.5	≥ 21.0	$\leq 15.0 / 13.0$
	TGSG 4040	≥ 400	≥ 40.0	≥ 14.0	≥ 28.0	
TGSG 5050	≥ 500	≥ 50.0	≥ 17.5	≥ 35.0		
Durability	Carbon Black Content (%)		≥ 2.0			
	UV Resistance Retention Rate (%)		≥ 90			

* A is the length of the inner hole of the geogrid, B is the width of the inner hole of the geogrid. see Figure 2.

NOTES:

- (1) MD = Machine Direction; CD = Cross Direction
- (2) Design complies with BS EN 13250:2014 + A1:2015
- (3) Other customized specifications adjusted and provided upon request
- (4) Zhonglong Plastic Geogrids are manufactured in accordance with a Quality Management System which complies with the requirements of ISO 9001:2015 and Environment Management System with the requirements of ISO 14001:2015



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