

# Briture Co., Ltd

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## PP Biaxial Plastic Geogrid

### Introduction:

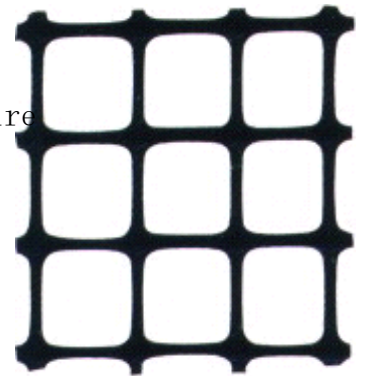
PP Biaxial Plastic Geogrid is used PP as its raw material, produced through extruding, punching, heating, longitudinal stretching, transverse stretching.

### Performance:

High tensile strength at both longitudinal & transverse direction

### Application:

Soft foundation reinforcing for highway, railway, Slope protecting projects, landfill side



### Function:

1. Improve the bearing capacity of foundation;
2. Preventing cracking and subsiding;
3. Convenient to construct, reducing cost and maintaining expense

### Specification For PPBG1515

Index Properties	Test Method	Units	MD Values	TD Values
■ Polymer	-	-	PP	-
■ Minimum Carbon Black	ASTM D 4218	%	2	-
■ Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	5	5
■ Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	7	7
■ Ultimate Tensile Strength	ASTM D 6637	kN/m	15	15
■ Strain @ Ultimate Strength	ASTM D 6637	%	13	13
<b>Structural Integrity</b>				
■ Junction Efficiency	GRI GG2	%	90	90
■ Overall Flexural Rigidity	ASTM D 1388	mg-cm	690,000	-
■ Aperture Stability	COE Method	mm-N/deg	646	-
<b>Dimensions</b>				
■ Aperture Dimensions	-	mm	38	36
■ Minimum Rib Thickness	ASTM D 1777	mm	0.9	0.7
■ Roll Width	-	m	3.95	-
■ Roll Length	-	m	50	-
■ Roll Weight	-	kg	38	-

## Specifications For PPBG2020

Index Properties	Test Method	Units	MD Values	TD Values
▪ Polymer	-	-	PP	-
▪ Minimum Carbon Black	ASTM D 4218	%	2	-
▪ Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	7	7
▪ Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	14	14
▪ Ultimate Tensile Strength	ASTM D 6637	kN/m	20	20
▪ Strain @ Ultimate Strength	ASTM D 6637	%	13	13

### Structural Integrity

▪ Junction Efficiency	GRI GG2	%	90	90
▪ Overall Flexural Rigidity	ASTM D 1388	mg-cm	1,090,000	-
▪ Aperture Stability	COE Method	mm-N/deg	707	-

### Dimensions

▪ Aperture Dimensions	-	mm	38	36
▪ Minimum Rib Thickness	ASTM D 1777	mm	1.3	1.0
▪ Roll Width	-	m	3.95	-
▪ Roll Length	-	m	50	-
▪ Roll Weight	-	kg	50	-

## Specifications For PPBG2525

Index Properties	Test Method	Units	MD Values	TD Values
▪ Polymer	-	-	PP	-
▪ Minimum Carbon Black	ASTM D 4218	%	2	-
▪ Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	9	9
▪ Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	17	17
▪ Ultimate Tensile Strength	ASTM D 6637	kN/m	25	25
▪ Strain @ Ultimate Strength	ASTM D 6637	%	13	13

### Dimensions

▪ Aperture Dimensions	-	mm	36	34
▪ Minimum Rib Thickness	ASTM D 1777	mm	1.8	1.5
▪ Roll Width	-	m	3.95	-
▪ Roll Length	-	m	50	-
▪ Roll Weight	-	kg	58	-



## Specifications For PPBG3030

Index Properties	Test Method	Units	MD Values	TD Values
▪ Polymer	-	-	PP	-
▪ Minimum Carbon Black	ASTM D 4218	%	2	-
▪ Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	10.5	10.5
▪ Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	21	21
▪ Ultimate Tensile Strength	ASTM D 6637	kN/m	30	30
▪ Strain @ Ultimate Strength	ASTM D 6637	%	13	13
<b>Structural Integrity</b>				
▪ Junction Efficiency	GRI GG2	%	90	90
▪ Overall Flexural Rigidity	ASTM D 1388	mg-cm	3,930,000	-
▪ Aperture Stability	COE Method	mm-N/deg	1432	-
<b>Dimensions</b>				
▪ Aperture Dimensions	-	mm	36	34
▪ Minimum Rib Thickness	ASTM D 1777	mm	2.1	1.8
▪ Roll Width	-	m	3.95	-
▪ Roll Length	-	m	50	-
▪ Roll Weight	-	kg	68	-

## Specifications For PPBG4040

Index Properties	Test Method	Units	MD Values	TD Values
▪ Polymer	-	-	PP	-
▪ Minimum Carbon Black	ASTM D 4218	%	2	-
▪ Tensile Strength @ 2% Strain	ASTM D 6637	kN/m	14	14
▪ Tensile Strength @ 5% Strain	ASTM D 6637	kN/m	28	28
▪ Ultimate Tensile Strength	ASTM D 6637	kN/m	40	40
▪ Strain @ Ultimate Strength	ASTM D 6637	%	13	13
<b>Structural Integrity</b>				
▪ Junction Efficiency	GRI GG2	%	90	90
▪ Overall Flexural Rigidity	ASTM D 1388	mg-cm	11,480,000	-
▪ Aperture Stability	COE Method	mm-N/deg	2104	-
<b>Dimensions</b>				
▪ Aperture Dimensions	-	mm	36	34
▪ Minimum Rib Thickness	ASTM D 1777	mm	2.1	1.6
▪ Roll Width	-	m	3.95	-
▪ Roll Length	-	m	50	-
▪ Roll Weight	-	kg	96	-