

## Reinforcing Polyester Geogrid Yurshin PET (RG100)



### Technical Data

Yurshin PET (RG100) is design for technical applications such as reinforcement of granular soils, embankment of breakwater, retaining wall, slope, basal reinforcement, piling work, subgrade improvement.

Properties	Unit	Requirement Values	Test Standard	Yurshin (product)
Type of product	-	RG100		
Material	-	PET		
Polymer coated	-	SBR	Non-toxic and pollution-free	
Molecular weight	g/m <sup>2</sup>		GRI-GG8 and	≥ 300
Carboxyl end group (CEG)			GRI-GG7 and	26.1
Characteristic tensile strength, md	kN/m	Min	ASTM D6637	≥ 100
Characteristic tensile strength, cd	kN/m	Min	ASTM D6637	≥ 30
Elongation at tensile strength, md	%		ASTM D6637	< 12
Elongation at tensile strength, cd	%		ASTM D6637	≤ 12
Tensile strength chemical resistance	%	-	ISO TR 12960	≥ 90
Tensile strength for weathering test	%	-		≥ 90
Creep limited strength 120 years	-	-	ASTM D6992 UTS	60 ~ 76
Long term design strength -(LTDS) 120y	-	-	ASTM D6992	
Biological resistance	%		BS EN 12225	≥ 95
Tensile strength for installation damage test	-		ISO 20432	≥ 90

Different Size Flexible Customized)

Forms of supply

Width	m	3.9 ~ 4.0
Length	m	100

#### Note:

- 1.md: Machine direction, cd: Cross- Machine direction.
- 2.We can according customer's requests and capacity load may be change.
3. The technical data are according to our tested by tested by Yurshin accredited

Trade marked: Yurshin

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