

GeofanGrid PPS Uniaxial Range

Technical Data Sheet

GeofanGrid PPS June 2019

GeofanGrid PPS is manufactured from the most proven “punch-and-drawing” techniques with the most sophisticated manufacturing technology. Solid sheets of polymer have apertures removed by punching, and then the sheet is carefully stretched to achieve optimum molecular orientation within the monolithic polymer structure. Therefore high ultimate tensile strengths of up to 300kN/m can be achieved.

The choice of PP ensures:

- High Tensile Strength
- High elastic modulus
- Improving bearing capacity of foundation, retaining wall and dam
- Extending project life
- Reducing floor area

Shortening construction period, reducing cost and maintaining expense

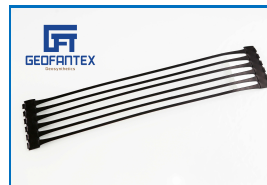
Applications

- Railway Reinforcement
- Dam Reinforcement
- Retaining walls
- Sea Reclamation Project

Physical Properties

Properties	Test Method	Unit	Specification					
			PPS 60	PPS 80	PPS 110	PPS 150	PPS 260	PPS 300
Tensile Strength	ASTM D 6637	≥KN/m	60	80	110	150	260	300
Strength at 2% Elongation	ASTM D 6637	KN/m	17	26	32	45	94	105
Strength at 5% Elongation	ASTM D 6637	KN/m	35	48	65	90	185	195
Yield Elongation Ratio		≤%	10	10	10	10	10	10
Approx Load Q'ty per 40'HC		m ²	55000	40000	32000	24000	8000	6000

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