

GeofanGrid PPS Range

Technical Data Sheet

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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

Above values are on an average basis, the data was obtained from in-house test laboratory, National test institutes and international test institutes. GFT keeps the right of data changes and the final explanation right. Liability Exclusion: This publication should not be construed as engineering advice. While information contained here is accurate to the best of our knowledge, GFT does not warrant its accuracy or completeness. The only warranty made by GFT for its products is set forth in our Product Test Report accompanies our shipment of the products, or such other written warranty as may be agreed by GFT and customer. GFT specifically disclaims all other warranties, express or implied, including without agreed by GFT and customer. GFT specifically disclaims all other warranties, express or implied, including without limitation, warranties of merchantability or fitness for a particular purpose, or rising from provision of samples, a course of dealing or usage of trade.



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