

StrataGrid™

StrataGrid™ is a geogrid reinforcement for soil. These high performance geogrids are constructed of high molecular weight and high tenacity knitted polyester yarns with a proprietary coating. StrataGrid™ is engineered to be mechanically and chemically durable, in both the harsh construction installation phase and in the aggressive soil environments.



	Unit	SGi 40	SGi 60	SGi 80	SGi 100	SGi 120	SGi 150	SGi 180	SGi 200	SGi 250	SGi 300	SGi 350	SGi 400	
<u>Mechanical properties</u>														
Tensile strength (ASTM D 6637 – Method A)	MD	kN/m	40	60	80	100	120	150	180	200	250	300	350	400
	CMD	kN/m	20	20	30	30	30	30	30	30	30	30	30	30
Creep reduction factor (at 20°C, 114 years design life)			1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47	1.47
Creep limited strength	MD	kN/m	27.2	40.8	54.4	68.0	81.6	102.0	122.4	136.1	170.1	204.1	238.1	272.1
Partial factor - installation damage (ASTM D 5818)														
In clay, silt or sand			1.07	1.07	1.07	1.07	1.07	1.04	1.04	1.04	1.04	1.04	1.04	1.04
Partial factor - environmental effects (GRI-GG7, GRI-GG8)														
Environment, $4 \leq \text{pH} \leq 8$			1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10	1.10
<u>Molecular properties</u>														
Molecular weight (GRI GG8)	g/mol	min. 25,000												
Carboxyl End Group (CEG) (GRI GG7)	mmol/kg	max. 30												
<u>Physical properties</u>														
Roll dimensions (width x length)	m	3.8x100	3.8x100	3.8x100	3.8x100	3.8x100	3.8x100	3.8x100	3.8x100	3.8x100	3.8x100	3.8x100	3.8x100	3.8x100
Roll area	sqm	380	380	380	380	380	380	380	380	380	380	380	380	380

Roll weights are average values including shipping cores. Actual roll weights may vary.
The properties might change at the time of manufacturing, storing, handling or shipping
The above values are subject to change as per discretion of the company

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