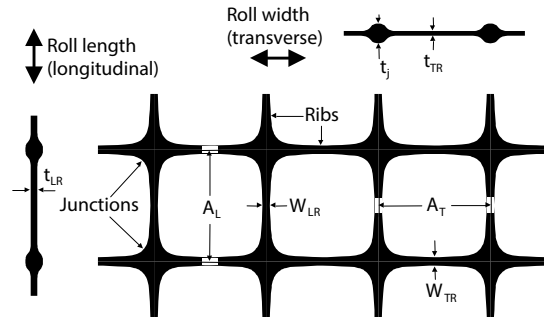


Tensar SS Geogrids Product Specifications

Tensar SS geogrids are used for the reinforcement of soils and aggregates in construction of structures such as road pavements, working platforms and reinforced foundations.

Tensar SS geogrids are stiff monolithic geogrids with integral junctions. They are orientated in two directions such that the resulting ribs have a high degree of molecular orientation which continues through the area of the integral node. The ribs have a rectangular cross section with square edges.



Property	Units	Tensar SS geogrid					
		SS20	SS30	SS40	SS2	SSLA20	SSLA30
Polymer		Polypropylene					
Minimum carbon black (1)	%	2	2	2	2	2	2
Roll width	m	4.0 & 3.8	4.0 & 3.8	4.0 & 3.8	4.0	3.8	3.8
Roll length	m	50	50	30	50	50	50
Unit weight	kg/m ²	0.22	0.33	0.53	0.29	0.22	0.33
Roll weight	kg	46 & 44	67 & 64	65 & 62	60	43	65
Dimensions							
A _L	mm	39	39	33	28	65	65
A _T	mm	39	39	33	40	65	65
W _{LR}	mm	2.2	2.3	2.2	3.0	4.0	4.0
W _{TR}	mm	2.4	2.8	2.5	3.0	4.0	4.0
t _j	mm	4.1	5.0	5.8	3.8	4.4	7.0
t _{LR}	mm	1.1	2.2	2.2	1.2	0.8	1.7
t _{TR}	mm	0.8	1.3	1.4	0.9	0.8	1.5
Quality control strength longitudinal							
T _{ult} (2)	kN/m	20.0	30.0	40.0	17.5	20.0	30.0
Load at 2% strain (2)	kN/m	7.0	10.5	14.0	7.0	7.0	11.0
Load at 5% strain (2)	kN/m	14.0	21.0	28.0	14.0	14.0	22.0
Approx strain at T _{ult}	%	11.0	11.0	11.0	12.0	10.0	9.0
Junction strength (3)	%	95	95	95	90	95	95
Quality control strength transverse							
T _{ult} (2)	kN/m	20.0	30.0	40.0	31.5	20.0	30.0
Load at 2% strain (2)	kN/m	7.0	10.5	14.0	12.0	8.0	12.0
Load at 5% strain (2)	kN/m	14.0	21.0	28.0	23.0	15.0	25.0
Approx strain at T _{ult}	%	10.0	10.0	10.0	10.0	10.0	9.0
Junction strength (3)	%	95	95	95	90	95	95

- (1) Carbon black inhibits attack by UV light. Determined in accordance with BS 2782:Part 4:Method 452B:1993.
- (2) Determined in accordance with BS EN ISO 10319:1996 and as a lower 95% confidence limit in accordance with ISO 2602:1980 (BS 2846:Part 2:1981).
- (3) Determined in accordance with GRI Test Method GG2-87, and expressed as a % of the quality control strength.
- (4) Tensar SS geogrids are inert to all chemicals naturally found in soils and have no solvents at ambient temperature. They are not susceptible to hydrolysis and are resistant to aqueous solutions of salts, acids and alkalis and are non-biodegradable.
- (5) Tensar SS geogrids are manufactured in accordance with a Quality Management System which complies with the requirements of BS EN ISO 9001:2000. All quoted dimensions and values are typical unless stated otherwise.



Q 05288
ISO 9001:2008



EMS 86463
ISO 14001:2004