

STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE

PARALINK 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1350

Mechanical properties

	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1350
UTS - Longitudinal *	206	309	412	515	612	721	826	927	1038	1133	1236	1339	1390
Tolerance *	-5	-8	-10	-13	-9	-17	-22	-22	-25	-27	-30	-32	-33
Single strip longitudinal tensile strength	36	54	72	90	108	126	120	112.5	126	110	120	130	135
Strain at UTS - Longitudinal*	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5

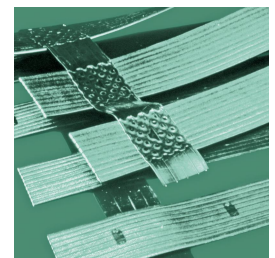
Physical properties (typical values)

Polymer of the reinforcement strip element	PET	PET	PET	PET	PET	PET	PET	PET	PET	PET	PET	PET	PET
Polymer coating of the strips	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Thickness of the reinforcement strips	1.4	1.8	2.4	3.0	3.8	4.2	3.8	3.8	4.2	3.8	3.8	4.3	4.4
Single strip width	85	88	90	90	90	91	91	91	91	91	91	91	91
Pitch (weft x warp)	100x18	100x18	100x18	100x18	100x18	100x18	100x15	100x12.5	100x12.5	100x10	100x10	100x10	100x10
Roll length	200	200	150	130	100	50	50	50	50	50	50	50	50
Roll width	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5
Roll diameter (nominal value)	0.70	0.70	0.75	0.75	0.70	0.50	0.50	0.50	0.50	0.50	0.50	0.52	0.53
Roll weight (nominal value)	590	770	750	780	750	480	550	600	660	710	790	860	900

ParaLink geogrids are planar structure consisting of a monoaxial array of composite geosynthetic strips. Each single longitudinal strip has a core of high tenacity polyester yarns tendons encased in a polyethylene sheath; the single strips are connected by non-resisting cross laid polyethylene strip that gives a grid like shape to the composite. The geocomposite is CE certified for reinforcement applications and approved by the BBA to comply with the design done according to the BS8006.

* Short-term tests in accordance with EN ISO 10319:2008. The values given are mean values of ultimate strength and tolerance values correspond to the 95% confidence level to establish the characteristic short-term tensile strength in accordance with EN 13251:2001

Intermediate grades are available on request.



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with SINCERT's and UKAS's accreditation.