

PARAGRID® - CMD 05
STRIP BONDED GEOGRIDS WITH HIGH TENACITY POLYESTER CORE



PARAGRID	30/05	40/05	50/05	65/05	80/05	90/05	100/05	120/05	135/05	150/05	175/05	200/05
Mechanical properties												
UTS - longitudinal *	kN/m	37	47	57	71	86	106	130	145	160	185	212
Tolerance *	kN/m	-7	-7	-7	-6	-6	-6	-10	-10	-10	-10	-12
Strip tensile strength - (longitudinal)	kN	2.25	3.00	3.75	4.85	6.00	7.50	9.00	10.15	11.25	13.10	15.00
UTS - transverse *	kN/m	6	6	6	6	6	6	6	6	6	6	6
Tolerance *	kN/m	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1	-1
Elongation in both directions - (typical value)	%	11	11	11	11	11	11	11	11	11	11	11
Physical properties												
Strip reinforcement polymer		PET	PET	PET	PET	PET	PET	PET	PET	PET	PET	PET
Strip coating polymer		PE	PE	PE	PE	PE	PE	PE	PE	PE	PE	PE
Thickness	mm	0.7	0.7	0.8	0.9	1.1	1.2	1.4	1.4	1.4	1.4	1.7
Strip width (longitudinal)	mm	24	24	24	24	24	24	33	33	33	33	33
Mesh size	mm	426x51	426x51	426x51	426x51	426x51	426x51	426x42	426x42	426x42	426x42	426x42
Roll length	m	100	100	100	80	80	80	50	50	50	50	50
Roll width	m	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90	3.90
Roll diameter	m	0.41	0.41	0.41	0.40	0.45	0.45	0.34	0.35	0.36	0.36	0.40
Roll weight	kg	93	99	105	107	108	140	116	123	131	139	147

ParaGrid geogrids are planar structures consisting of a biaxial array of composite geosynthetic strips. The strips comprise of a core of high tenacity polyester tendons encased in a polyethylene sheath.

* 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

NOTE:
Special products can be manufactured on request for specific projects. The white columns are the standards products mostly available on stock; the coloured columns are special products to be manufactured on request and generally not available on stock.



As part of our partners' ISO 9001 Management Systems and guided research and development programmes, information contained herein is continuously updated. Above technical values are mean values and are indicative. The right is reserved to make changes without notice at any time. Please confirm with African Gabions the latest version of the product specification available.