

# EDILGRID 55/30



Woven geogrid made of high tenacity polyester yarn coated with PVC.

Physical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Mass per unit area	[EN ISO 9864]		280	g/m <sup>2</sup>	+/- 10	+/- 28
Mesh size		MD	30	mm	+/- 10	+/- 3
		CMD	25	mm	+/- 12	+/- 3
Yarn type		PES				
Type of coating		PVC				


Mechanical properties	Standard		Value	Units	Tolerance %	Tolerance (units)
Tensile strength	[EN ISO 10319]	MD	58	kN/m	- 5	- 3
	[EN ISO 10319]	CMD	33	kN/m	- 9	- 3
Elongation at maximum load	[EN ISO 10319]	MD	12,0	%	+/- 33	+/- 4,0
	[EN ISO 10319]	CMD	12,0	%	+/- 33	+/- 4,0
Strength at 2% of elongation	[EN ISO 10319]	MD	15,0	kN/m	- 13	- 2,0
	[EN ISO 10319]	CMD	6,0	kN/m	- 17	- 1,0
Strength at 3% of elongation	[EN ISO 10319]	MD	19,0	kN/m	- 11	- 2,1
	[EN ISO 10319]	CMD	7,0	kN/m	- 14	- 1,0
Strength at 5% of elongation	[EN ISO 10319]	MD	24,0	kN/m	- 8	- 1,9
	[EN ISO 10319]	CMD	8,0	kN/m	- 13	- 1,0

Durability properties		
Weathering resistance	[EN 12224]	To be covered within 30 days from the day of installation.
Resistance to hydrolysis	[EN 12447]	Forecast minimum durability of 100 years in natural ground with 4<pH<9 and soil temperature < 25°C.

The values given are an average obtained in our laboratories and in official testing institutes.  
The confidence level is 95%  
The right is reserved to make changes any time without notice.

MD = Machine Direction/Longitudinale; CMD = Cross Machine Direction/Trasversale; NA = Not Applicable/Non Applicabile

Ref.
Cod. 001930 Rev.3 Data Rev.: 28-02-2018

Approved by CQ


Approved by UT
