

Robulon PP Technical Data

TenCate Geolon® Robulon PP are high strength geocomposite for various purposes. The product is made of 100% highly durable and UV resistant polypropylene with a 3 dimensional structure. The combination of reinforcement and geotextile makes Robulon the ideal mat for erosion control in a variety of applications including protection of slopes, geomembranes, canal and river beddings, and more.



TenCate Geolon® Robulon PP

Characteristics[Standard]	Unit	PP 40	PP 60	PP 80
Type of product		Geocomposite made of 100% polypropylene, consisting of a high strength base layer featuring inseparable loops for soil, gravel or concrete retention		
Product Properties				
Mass per unit area [EN ISO 9864]	g/m ²	510	580	675
Thickness under 2kPa [EN ISO 9863-1]	mm	10	10	10
UV resistance (retained tensile strength) [EN ISO 12224]	%	> 80	> 80	> 80
Base Layer Properties				
Tensile strength MD* [EN ISO 10319]	kN/m	40	66	88
CD*	kN/m	40	62	86
Elongation at maximum strength MD* [EN ISO 10319]	%	17	9	9
CD*	%	10	9	9
CBR Puncture Resistance [EN ISO 12236]	kN	4	6	8
Dynamic Perforation [EN ISO 13433]	mm	15	10	9
Forms of supply				
Width	m	5	5	5
Length	m	50	50	50
Roll diameter	m	0.8	0.85	0.85
Roll weight (± 10%)	kg	140	160	180

* MD = Machine Direction CD = Cross Direction

The values given are average values obtained in our laboratories and in testing institutes. The right is reserved to make changes without notice at any time.

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