

Robulon PP Technical Data

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



TenCate Geolon® Robulon PP

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