

MACLINE W GEOMEMBRANES WITH WOVEN REINFORCEMENT

The geomembranes Macline W consist of a woven geotextile reinforcement of high density polyethylene filaments laminated on both surfaces with a polyethylene film. The resulting material is very light yet extremely mechanically resistant. Supplied in rolls of small width, it is usually assembled to form big sized sheets (with surface up to 2.000 . 4.000 m²) with buttonholed borders (optional).

Macline W is the ideal solution for the temporary covering of soil banks, controlled landfills and small waterproofing applications.

MACLINE		W3.200	W3.300
Mechanical characteristics			
Tensile properties UNI 8208/8 - ISO 1421			
Longitudinal tensile strength	kN/m	14 (±1)	27 (±2)
Longitudinal elongation	%	20 (±2)	20 (±2)
Transversal tensile strength	kN/m	14 (±1)	25 (±2)
Transversal elongation	%	20 (±2)	22 (±2)
Tensile properties UNI 8208/8 - ISO 1421(after 1000h ageing)			
Longitudinal tensile strength	kN/m	-	20 (±2)
Longitudinal elongation	%	-	13 (±1)
Transversal tensile strength	kN/m	-	12 (±1)
Transversal elongation	%	-	10 (±1)
Tear strength ASTM D4533			
Longitudinal	N	110	220
Transversal	N	155	250
Tensile strength Grab	N	11	15
Static puncture resistance CBR EN ISO 12236	N	2.000	3.400
Dinamic puncture resistance EN 918			
hole diameter	mm	27.0	20.0
variation coefficient		9.0	11.0
Physical characteristics			
Mass per unit	g/m ²	200 (±10)	300 (±15)
Nominal thickness	mm	0.3	0.5
Standard colour		green	
Roll length	m	100	
Roll width	m	2.0	
Roll surface	m ²	200	
Maximum size of preassembled sheet	m ²	4.000	2.000



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