Mc MINING GROUPE PICHORI Quality First

LEADER IN INDUSTRIAL TOOLS & EQUIPMENT

Technical sheet



Geotextile - Needle punched and thermally bonded Nonwoven Geotextiles

Marque: BONAR

Ref Product: wire:NW00

Ref Mcmining: GEOTNW

Mechanical Properties						
	Test	Units	NW12	NW16	NW20	NW25
Ref Mc Mining			GEOTNW12-525	GEOTNW16-525	GEOTNW20-525	GEOTNW25-525
Tensile Strength - MD	EN ISO 10319	kN/m	12	16	20	25
Tensile Strength - XD	EN ISO 10319	kN/m	12	16	20	25
Elongation at break - MD	EN ISO 10319	%	40	45	50	50
Elongation at break - XD	EN ISO 10319	%	45	50	50	50
CBR Puncture Resistance	EN ISO 12236	N	1 780	2 400	3 100	3 600
Dynamic Cone Drop	EN ISO 13433	mm	24	19	16	12
Pyramid Puncture	EN 14574	N				300
Hydraulic Properties						
Permeability	EN ISO 11058	m/s	105 x 10-3	85 x 10-3	65 x 10-3	55 x 10-3
Waterflow normal to the plane	EN ISO 11058	l/m².s	105	85	65	55
Waterflow in the plane-20kPa	EN ISO 12958	m2/s	2 x 10-7	1 x 10-6	3.5 x 10-6	4 x 10-6
Characteristic Opening Size	EN ISO 12956	?m	110	85	70	65
Physical Properties						
Thickness under 2 kPa	EN ISO 9863-1	mm	1,4	1,25	1,4	1,6
Weight	EN ISO 9864	g/m2	145	200	235	300
Roll width		cm	525	525	525	525
Roll length		m	100	100	100	100
Full truck load volume (+/- 10%)		m²	47 250	43 050	35 175	30 450
Roll diameter (+/- 10%)		cm	36	37	42	46
Durability						
Natural UV light	ASTM 4533	100%				
Chemical Resistance	EN 14030	100%				
Oxidation Resistance	EN ISO 13438	>90%				
Microbiological Resistance	EN 12225	100%				
Hydrolosis	EN 12447	100%				
Product Description						
Polymer	100% Polypropylene					
Density	0,91 kg/dm³					
Melting Point	165°C					

Fiber bonding	Mechanical/Thermal
Application	

Drainage channel - NW 12





separate 2 different layers of aggregate - NW 12, NW 16, NW 20 or NW 25

The separation application is the most common and mostly used application for geotextiles. Depending of the :
-ground conditions
-type of project (unpaved road, rural road, motorway, rail road, etc…..)
-consultancy engineer
-…



As filter under and behind gabions,



