



OCTO NW-SERIES NON-WOVEN GEOTEXTILE



Product / Description :		
Product	NW 20	NW 10
Colour	Grey	White
Material	Polypropylene (PP) non-woven fabric	Polypropylene (PP) non-woven fabric
Roll Width	2m	2m
Available Roll Lengths	250m	100m / 150m

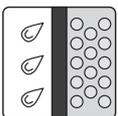
OCTO NW-Series Non-Woven Geotextile is a UV-stabilized polypropylene fabric designed for separation, filtration, drainage, reinforcement, and protection in civil engineering applications.

This needle-punched, mechanically bonded fabric stabilizes base courses over subgrades with low bearing capacity and prevents the ingress of fill materials. Its high tensile strength in all directions provides additional structural stability, while its outstanding puncture resistance helps minimize installation damage.

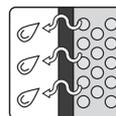
OCTO NW-Series Non-Woven Geotextile supports long-term drainage performance with excellent filtration properties, high water permeability, and reliable soil retention under both mechanical and hydraulic stress.

Manufactured from high-quality raw materials, **OCTO NW-Series Non-Woven Geotextile** is resistant to chemicals, biological agents, and water, making it safe for groundwater applications. The added UV stabilizer further enhances its durability under direct sunlight.

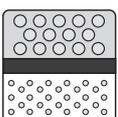
FUNCTIONS



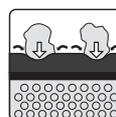
Filtration - To restrict the migration of fine soil particles from a soil mass while remaining permeable to water movement at a rate at least equivalent to the permeability of the retained soil.



Drainage - To allow water to flow through or within the plane of the geotextile, allowing the dissipation of pore water pressure which can have a detrimental effect on engineering structures.



Separation - To separate and prevent two distinct soils or different materials from intermixing, thereby maintaining the performance of the individual materials.



Protection - To prevent damage to thin plastic liners used in landfills, by limiting deformation and puncturing potential.



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TECHNICAL DATA

Product : OCTO NW-10 Non-Woven Geotextile

Description : Non-woven geotextile is a sturdy fabric designed to meet the applications of filtration, drainage, separation, protection, and reinforcement.

Quality Indexes	Unit	Test Method	Standard/Tolerances
Tensile Strength, MD	kN/m	ISO 10319	9.5
Tensile Strength, CD	kN/m	ISO 10319	9.5
Elongation at Break, MD	%	ISO 10319	55
Elongation at Break, CD	%	ISO 10319	55
CBR Puncture Strength	kN	ISO 12236	1.50
Grab Tensile Strength, MD	kN/m	ASTM D 4632	0.59
Grab Tensile Strength, CD	kN/m	ASTM D 4632	0.60
Grab Elongation, MD	%	ASTM D 4632	75
Grab Elongation, CD	%	ASTM D 4632	50
Apparent Opening Size O ₉₅	mm	ASTM D 4751-21a	0.26
Permeability at 50mm Head	l/m ² /sec	ASTM D 4491	90
UV Stability at 500h	%	ASTM D 4355	≥ 75
Mass	g/m ²	ISO 9864	125
Thickness (2kPa)	mm	ISO 9863	1.1



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TECHNICAL DATA

Product : OCTO NW-20 Non-Woven Geotextile

Description : Non-woven geotextile is a sturdy fabric designed to meet the applications of filtration, drainage, separation, protection, and reinforcement.

Quality Indexes	Unit	Test Method	Standard/Tolerances
Tensile Strength, MD	kN/m	ISO 10319	10
Tensile Strength, CD	kN/m	ISO 10319	10
Elongation at Break, MD	%	ISO 10319	90
Elongation at Break, CD	%	ISO 10319	75
Energy Value (MD+CD)/2	kJ/m ²	ISO 10319	4.3
CBR Puncture Strength	kN	ISO 12236	1.50
Cone Drop Test (Hole Ø)	mm	ISO 13433	24
Grab Tensile Strength, MD	kN/m	ASTM D 4632	0.59
Grab Tensile Strength, CD	kN/m	ASTM D 4632	0.60
Grab Elongation, MD	%	ASTM D 4632	75
Grab Elongation, CD	%	ASTM D 4632	50
Apparent Opening Size O ₉₅	mm	ASTM D 4751-21a	0.26
Opening Size O ₉₀	mm	ISO 12956	0.105
Permeability at 50mm Head	l/m ² /sec	ASTM D 4491	115
Vertical Permeability (Dh = 50 mm)	l/m ² -s	ISO 11058	115
UV Stability at 500h	%	ASTM D 4355	≥ 75
Mass	g/m ²	ISO 9864	125
Thickness (2kPa)	mm	ISO 9863	0.9



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