

PRODUCT NAME

NON-WOVEN GEOTEXTILE POLYESTER (500GSM)
 -Mechanically bonded and needle punched

DESCRIPTION

Geotextile made from staple fibres that are mechanically bonded by a needle punching process to produce a dimensionally stable network. The fibres used are 100% virgin white Polypropylene, ultra-violet resistant with 165°C melting point.

APPLICATIONS

- Geotextiles are used in road and railway soil stabilization, waterways and seashore erosion control, asphalt pavement overlay crack relief, subsurface drainage systems, waterproofing membrane protection, landfill, landscaping etc.
- Separation between two dissimilar materials so that the integrity and functioning of both materials can remain intact or be improved.
- Filtration by permitting water flow across the plane of the geotextile while retaining fine soil particles.
- Transmission by providing water drainage and gas venting within the plane of the geotextile.
- Sealing when impregnated with asphalt or resin to act as a moisture barrier.
- Stress Absorption in pavement overlay when impregnated with asphalt.
- Protection of geo-membrane against puncture by absorbing the point stresses.

SPECIFICATIONS

PROPERTY	VALUE
Density	500GSM
Thickness	4.3MM
Width	upto 2.2Mtrs.
Tensile Strength MD	1000kg/m
Tensile Strength CD	1500kg/m
Tensile Elongation	75/75%
Bursting Strength	35kg/cm ²
California Bursting Ratio (CBR)	150kg
Water Permeability	95L/SQm/sec
Permittivity	0.6/sec
AOS (O ₉₅)	75MICRONS
Melting Temperature	230°C

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