

## PRODUCT NAME

**NON-WOVEN GEOTEXTILE POLYESTER (200GSM)**  
 -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                         | 200GSM               |
| Thickness                       | 1.8MM                |
| Width                           | upto 2.2Mtrs.        |
| Tensile Strength MD             | 550kg/m              |
| Tensile Strength CD             | 800kg/m              |
| Tensile Elongation              | 75/75%               |
| Bursting Strength               | 25kg/cm <sup>2</sup> |
| California Bursting Ratio (CBR) | 110kg                |
| Water Permeability              | 100L/SQm/sec         |
| Permittivity                    | 0.6/sec              |
| AOS (O <sub>95</sub> )          | 100MICRONS           |
| Melting Temperature             | 230°C                |

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