

## PRODUCT NAME

**NON-WOVEN GEOTEXTILE POLYESTER (300GSM)**  
 -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	300GSM
Thickness	2.2MM
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)	120kg
Water Permeability	150L/SQm/sec
Permittivity	0.8/sec
AOS (O <sub>95</sub> )	100MICRONS
Melting Temperature	230°C

**Head Office:** 28, Strand Road, 3rd Floor, Kolkata - 700001

**Corporate Office:** Gajraj Chambers, 86B/2, Topsia Road (S), Suite: 1F, Kolkata - 700046

**Branch-Gujarat:** Gram Panchayat No 1595, Godown No - 11, Anand Estate, Ahmedabad - 382427

**Branch-Chennai:** Ground Floor, B-8, CMDA Truck Terminal Complex, GNT Road, Madhavaram - 600100

**Phone:** +91 33 4006 2040 | **Email:** info@imperialoverseas.in | **Website:** www.imperialoverseas.in