

TENAX TNT

Type: **750**
Geocomposite



TENAX **TNT** geocomposites are a combination of TENAX geonets and nonwoven geotextiles*. The combination of geotextiles (filtering action) and geonet (drainage and loads distribution) offers a complete system of "filter-drainage-protection".

Typical applications

Waste disposals; underground structures; retaining walls; gardens and sport fields; road foundations; ground channels.

| PHYSICAL CHARACTERISTICS | TEST METHOD | UNIT | TNT 750 | NOTES |
|--------------------------|-------------|------|-----------|-------|
| STRUCTURE | | | 2 strands | |
| POLYMER TYPE | | | HDPE | |
| CARBON BLACK | | | YES | |
| FOAMING AGENT | | | NO | |
| GEOTEXTILE POLYMER | | | PP | |

| DIMENSIONAL CHARACTERISTICS | TEST METHOD | UNIT | TNT 750 | NOTES |
|-----------------------------|-------------|------------------|---------|------------|
| THICKNESS at 20 kPa | ISO 9863 | mm | 5.5 | 5.5 a |
| UNIT WEIGHT | ISO 9864 | g/m ² | 1010 | 1030 a |
| ROLL WIDTH | | m | 2.05 | 3.60 a |
| ROLL LENGTH | | m | 40.0 | 50.0 a |
| ROLL DIAMETER | | m | 0.54 | 0.60 a |
| ROLL VOLUME | | m ³ | 0.61 | 1.30 a |
| ROLL GROSS WEIGHT | | kg | 82.5 | 181.0 a |

| GEOTEXTILE CHARACTERISTICS | TEST METHOD | UNIT | TNT 750 | NOTES |
|----------------------------|-------------|------------------|-----------|----------------|
| MASS PER UNIT WEIGHT | ISO 9864 | g/m ² | 120 – 140 | 140 – 140 a |
| OPENING SIZE | ISO 12956 | mm | 0.08 | 0.07 a |

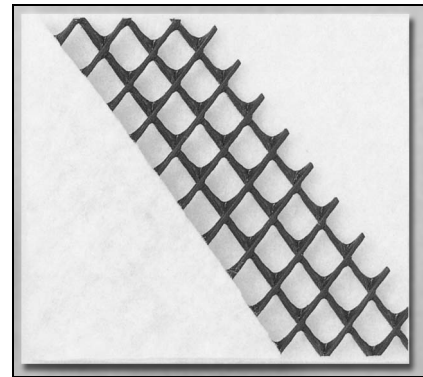
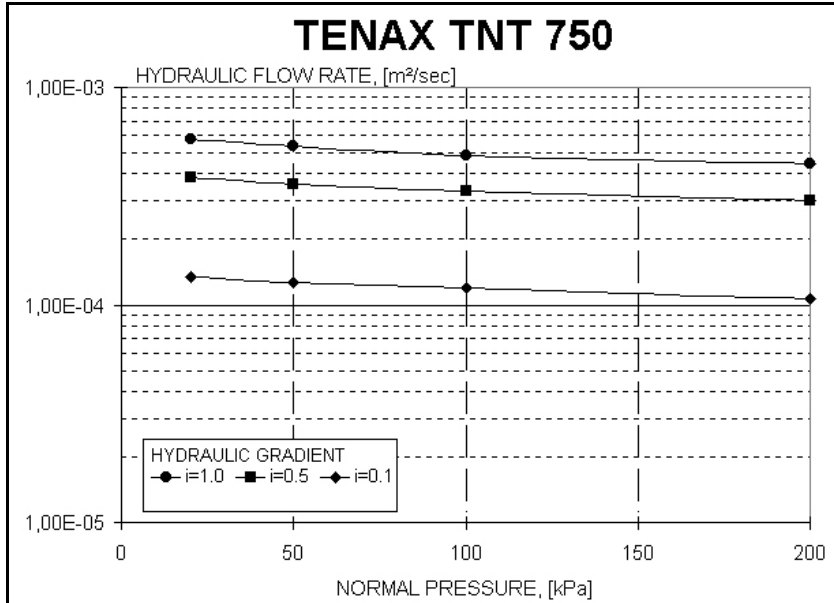
| TECHNICAL CHARACTERISTICS | TEST METHOD | UNIT | TNT 750 | NOTES |
|---------------------------|-------------|-------------------|----------------|-------|
| HYDRAULIC FLOW RATE | | | i = 1.0 | |
| $\sigma_v = 20$ kPa | ISO 12958 | m ² /s | 5,50E-04 | a,b,c |
| $\sigma_v = 100$ kPa | ISO 12958 | m ² /s | 4,30E-04 | a,b,c |
| $\sigma_v = 200$ kPa | ISO 12958 | m ² /s | 3,60E-04 | a,b,c |
| TENSILE STRENGTH | ISO 10319 | kN/m | 18.0 | a,b |
| ELONGATION AT PEAK | ISO 10319 | % | 60.0 | a,b |

NOTES:

- a) Typical values
- b) Machine direction
- c) 2mm HDPE liner boundary condition



Typical Hydraulic Characteristics



0799-CPD-25



The TENAX Laboratory has been created in 1980 and has been continuously improved with the purpose of assuring unequalled technical development of the products and accurate Quality Control.

The TENAX Laboratory can perform mechanical, hydraulic and durability tests, according to the most important international standards like ISO, TNTN, ASTM, DIN, BSI, UNI.

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