

PROVISIONAL TECHNICAL DATA SHEET

Product Name Envirotex
 Reference No: PDS GNRL 0595-09/2014
 Date of Issue 18 September 2014
 Description Nonwoven rPET staple fibre, needle punched, geotextile

| | | | SF2.5 | |
|------------------|--------------------|--------------------|-----------|---------------|
| Mass | Nominal | g/m ² | 250 | EN ISO 9864 |
| Thickness | Thickness at 2 kPa | mm | 1.70 | EN ISO 9063-1 |
| Tensile Strength | Machine | kN/m | 7.00 | EN ISO 10319 |
| | Across | kN/m | 9.00 | |
| | Elongation | % | > 60 | |
| Grab Strength | Machine | N | - | ASTM D4632 |
| | Across | N | - | |
| Trapezoidal Tear | Machine | N | - | ASTM D4533 |
| | Across | N | - | |
| | Elongation | % | - | |
| Penetration Load | CBR | kN | 1.50 | EN ISO 12235 |
| Throughflow | @ 50 mm head | l/s/m ² | 35 | EN ISO 13483 |
| Roll Dimensions | Width x Length | m | 5.8 x 100 | |

The above results represent laboratory averages

Kaytech reserves the right to make technical modifications to its products

The information given in Kaytech's documentation is to the best of our knowledge true and correct. However, new research results and practical experience can make revisions necessary. No guarantee or liability can be drawn from the information mentioned herein. Furthermore, it is not Kaytech's intention to violate patents or licenses.



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PROVISIONAL TECHNICAL DATA SHEET

Product Name Envirotex SF7.5
Reference No: PDS WAST 0491-07/2013
Date of Issue 31 July 2013
Description Nonwoven, Polyester Staple Fibre, Needle Punched Geotextile

| | | | SF7.5 | |
|------------------|-----------------------|--------------------|-------|------------|
| Mass | Nominal | g/m ² | 750 | SANS 10221 |
| Thickness | Thickness under 2 kPa | mm | 6.0 | SANS 10221 |
| Tensile Strength | Machine Direction | kN/m | 40 | SANS 10221 |
| | Across Direction | kN/m | 42 | |
| | Elongation | % | > 75 | |
| Penetration Load | CBR | kN | 7.5 | ASTM 6241 |
| Throughflow | at 100 mm head | ℓ/s/m ² | 60 | SANS 10221 |

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PROVISIONAL TECHNICAL DATA SHEET

Product Name Envirotex SF11
 Reference No: PDS WAST 0447-11/2012
 Date of Issue 09 November 2012
 Description Nonwoven, Polyester Staple Fibre, Needle Punched Geotextile

| | | | SF11 | |
|------------------|-------------------|------------------|------|------------|
| Mass | Nominal | g/m ² | 1100 | SANS 10221 |
| Penetration Load | CBR | kN | 8.1 | ASTM 6241 |
| Grab Strength | Machine Direction | kN | 2.4 | ASTM D4632 |
| | Across Direction | kN | 2.5 | |
| | Elongation | % | > 75 | |
| Trapezoidal Tear | Machine Direction | kN | 1.0 | ASTM D4533 |
| | Across Direction | kN | 1.2 | |

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TECHNICAL DATA SHEET

Product Name Envirotex SF15
 Reference No: PDS WAST 0492-07/2013
 Date of Issue 31 July 2013
 Description Nonwoven, Polyester Staple Fibre, Needle Punched Geotextile

| | | SF15 | | |
|------------------|---------------------------------------|--------------------|------------------------|---------------|
| Thickness | Under 2 kPa | mm | 7.5 | SANS 10221 |
| | Under 200 kPa | mm | 5.7 | |
| Tensile Strength | Machine Direction | kN/m | 86 | SANS 10221 |
| | Across Direction | kN/m | 90 | |
| | Elongation | % | > 65 | |
| Penetration Load | CBR | kN | 14 | SANS 10221 |
| | Displacement | mm | 64 | |
| Grab Strength | Machine Direction | kN | 5.0 | ASTM D4632-91 |
| | Across Direction | kN | 4.8 | |
| | Elongation | % | > 75 | |
| Trapezoidal Tear | Machine Direction | kN | 1.5 | ASTM D4533 |
| | Across Direction | kN | 1.7 | |
| Throughflow | @ 50mm head | ℓ/s/m ² | 20 | SANS 10221 |
| Permeability | @ 50mm head | m/s | 2.6 x 10 ⁻³ | SANS 10221 |
| Pore Size | O _{95 W} | µm | < 70 | EN ISO 12956 |
| UV Stability | 80% strength retained after 500 hours | | | ASTM D4355 |

The above results represent laboratory averages

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