

# „GEO W PES“ – TECHNICAL DATASHEET



Die geo-logische Kompetenz

THE WOVEN HIGH TENACITY GEOTEXTILE  
MADE FROM POLYESTER-MULTIFILAMENTARY ARNS.

|  |                  |                     | <b>GEO<br/>W PES<br/>100 / 50</b> | <b>GEO<br/>W PES<br/>200 / 50</b> | <b>GEO<br/>W PES<br/>300 / 50</b> | <b>GEO<br/>W PES<br/>400 / 50</b> | <b>GEO<br/>W PES<br/>600 / 50</b> |
|--|------------------|---------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|
| <b>PHYSICAL PROPERTIES</b>                       |                  |                     |                                   |                                   |                                   |                                   |                                   |
| Colour   |                  |                     | white                             | white                             | white                             | white                             | white                             |
| Thickness<br>(EN 964-1)                          | Load 2 kPa<br>mm |                     | 0,6                               | 1,0                               | 1,3                               | 1,5                               | 2,3                               |
| Mass<br>(EN 965)                                 | g/m <sup>2</sup> |                     | 250                               | 450                               | 650                               | 850                               | 1100                              |
| <b>MECHANICAL PROPERTIES</b>                     |                  |                     |                                   |                                   |                                   |                                   |                                   |
| Tensile Strength<br>(EN ISO 10 19)               | MD               | kN/m                | 100                               | 200                               | 300                               | 400                               | 600                               |
|  | CD               | kN/m                | 50                                | 50                                | 50                                | 50                                | 50                                |
| Elongation at break<br>(EN ISO 10 19)            | MD               | %                   | 12                                | 12                                | 12                                | 12                                | 12                                |
|  | CD               | %                   | 12                                | 12                                | 13                                | 16                                | 20                                |
| Cone Drop Test<br>(EN 918)                       | mm               |                     | 30                                | 20                                | 20                                | 20                                | 20                                |
| <b>HYDRAULIC PROPERTIES</b>                      |                  |                     |                                   |                                   |                                   |                                   |                                   |
| Opening Size O <sub>90, w</sub><br>(NBN B 29001) | Dry sieving      | μ                   | 150                               | 205                               | 200                               | 200                               | 200                               |
| Water flow capacity (10°C)*<br>(NBN B 29001)     |                  | l/m <sup>2</sup> /s | 10                                | 6                                 | 6                                 | 8                                 | 8                                 |
| <b>FORMS OF SUPPLY</b>                           |                  |                     |                                   |                                   |                                   |                                   |                                   |
| Width  | m                |                     | 5,30                              | 5,30                              | 5,30                              | 5,05                              | 5,05                              |
| Length   | m                |                     | 200                               | 100                               | 100                               | 100                               | 100                               |
| Diameter   | cm               |                     | 36                                | 34                                | 38                                | 44                                | 60                                |
| Roll Weight                                      | kg               |                     | 132                               | 240                               | 345                               | 430                               | 555                               |
| Full load  | m <sup>2</sup>   |                     | 60.000                            | 55.000                            | 45.000                            | 40.000                            | 25.000                            |

\*) To correct the above water flow capacity at 10°C to a value at 20°C, multiply by a correction factor of 1,3

THE VALUES GIVEN ARE INDICATIVE AND CORRESPOND TO AVERAGE RESULTS OBTAINED IN OUR LABORATORIES AND INDEPENDENT TESTING INSTITUTES.

THE RIGHT IS RESERVED TO MAKE CHANGES WITHOUT NOTICE AT ANY TIME  
(Ö/D / SEPTEMBER 2001)

**GEOFELT G.m.b.H.**  
Rainerstraße 14  
Tel. +43 (732) 60 98 60  
Fax +43 (732) 60 98 608  
A-4020 Linz / Austria

**Office Germany**  
Platzhoffstraße 17  
Tel. (0202) 3702026  
Fax (0202) 3702027  
D-42115 Wuppertal

INTERMEDIATE GRADES FROM 50 kN/m TO 1000 kN/m AVAILABLE ON REQUEST