

Technical data - fabrics



Recycled polyester fabric with glass yarn - starched

green

| Properties | test method | unit | values | | | | |
|----------------------------|-------------|------|--------|------|-----|------|-----|
| | | | 120 | 140 | 160 | 180 | 200 |
| Thickness | | mm | 0.65 | 0.85 | 1 | 1.15 | 1.2 |
| Strength resistance MD | | kN/m | 4 | 5.2 | 6 | 8 | 9 |
| Strength resistance CMD | | kN/m | 3 | 4 | 4.4 | 5.6 | 7 |
| Elongation at max load MD | | % | 20 | 20 | 20 | 25 | 25 |
| Elongation at max load CMD | | % | 20 | 20 | 20 | 25 | 25 |
| Shrinkage at 200°C | | % | 1 | 1 | 1 | 1 | 1 |

Virgin polyester fabric with glass yarn - starched

white

| Properties | test method | unit | values | | | | |
|----------------------------|-------------|------|--------|------|-----|------|-----|
| | | | 120 | 140 | 160 | 180 | 200 |
| Thickness | | mm | 0.65 | 0.85 | 1 | 1.15 | 1.2 |
| Strength resistance MD | | kN/m | 4.6 | 6 | 6.6 | 8.6 | 9.6 |
| Strength resistance CMD | | kN/m | 3.6 | 4.4 | 4.8 | 6.6 | 7.6 |
| Elongation at max load MD | | % | 20 | 20 | 20 | 25 | 30 |
| Elongation at max load CMD | | % | 20 | 20 | 20 | 25 | 30 |
| Shrinkage at 200°C | | % | 1 | 1 | 1 | 1 | 1 |

Compound Mat with glass mesh

fabric from recycled fibres - grey

| Properties | test method | unit | values | | |
|----------------------------|-------------|------|---------------------------|---------------------------|---------------------------|
| | | | 100 with 5 x 5 mesh | 100 with 6 x 6 mesh | 100 with 8 x 8 mesh |
| Thickness | | mm | 0.7 | 0.7 | 0.7 |
| Strength resistance MD | | kN/m | 8 | 10 | 15 |
| Strength resistance CMD | | kN/m | 10 | 12 | 14 |
| Elongation at max load MD | | % | 5 | 5 | 5 |
| Elongation at max load CMD | | % | 5 | 5 | 5 |
| Shrinkage at 200°C | | % | 1 | 1 | 1 |

Glass fibre fabric with glass yarn

Glass fibre fabric

| Properties | test method | unit | values |
|----------------------------|-------------|------|--------|
| | | | 100 |
| Thickness | | mm | 0.7 |
| Strength resistance MD | | kN/m | 7.9 |
| Strength resistance CMD | | kN/m | 4 |
| Moisture content | | % | 0.15 |
| Elongation at max load CMD | | µm | 13 |
| Softening point | | °C | 840 |

Partial test data - EN ISO testing ongoing