

Bijlage

Minimaal benodigde wandstijfheid en momentcapaciteit

| tbv glasvezel -naaldvilt | wandstijfheid (EI)   |                      |                      |                      |                      | momentcapaciteit (Mcap) |                      |                      |                      |                      |
|--------------------------|----------------------|----------------------|----------------------|----------------------|----------------------|-------------------------|----------------------|----------------------|----------------------|----------------------|
| afmetingen               | klasse 1             | klasse 2             | klasse 3             | klasse 4             | klasse 5             | klasse 1                | klasse 2             | klasse 3             | klasse 4             | klasse 5             |
| (mm.)                    | (N/mm <sup>2</sup> ) | (N/mm <sup>2</sup> ) | (N/mm <sup>2</sup> ) | (N/mm <sup>2</sup> ) | (N/mm <sup>2</sup> ) | (N/mm <sup>2</sup> )    | (N/mm <sup>2</sup> ) | (N/mm <sup>2</sup> ) | (N/mm <sup>2</sup> ) | (N/mm <sup>2</sup> ) |
| 200                      | 1.432                | 4.072                | 8.826                | 16.315               | 27.160               | 16                      | 31                   | 53                   | 79                   | 111                  |
| 250                      | 2.731                | 7.853                | 17.125               | 31.780               | 53.048               | 24                      | 49                   | 82                   | 123                  | 174                  |
| 300                      | 5.030                | 14.037               | 30.113               | 55.307               | 91.667               | 36                      | 72                   | 119                  | 179                  | 250                  |
| 400                      | 11.458               | 32.578               | 70.607               | 130.518              | 217.284              | 63                      | 125                  | 210                  | 316                  | 444                  |
| 500                      | 22.921               | 64.441               | 138.808              | 255.598              | 424.383              | 99                      | 198                  | 330                  | 495                  | 694                  |
| 600                      | 38.672               | 109.951              | 238.298              | 440.497              | 733.333              | 141                     | 282                  | 473                  | 712                  | 1000                 |
| 700                      | 60.363               | 173.018              | 376.641              | 698.161              | 1.164.506            | 189                     | 382                  | 641                  | 968                  | 1361                 |
| 800                      | 88.944               | 256.507              | 560.244              | 1.040.664            | 1.738.272            | 245                     | 496                  | 836                  | 1263                 | 1778                 |
| 900                      | 125.366              | 363.281              | 795.512              | 1.480.079            | 2.475.000            | 308                     | 626                  | 1056                 | 1597                 | 2250                 |
| 1000                     | 170.579              | 496.205              | 1.088.850            | 2.028.480            | 3.395.062            | 378                     | 771                  | 1302                 | 1971                 | 2778                 |
| 1250                     | 303.229              | 922.720              | 2.073.974            | 3.921.792            | 6.630.980            | 555                     | 1166                 | 2000                 | 3058                 | 4340                 |
| 1500                     | 561.778              | 1.653.324            | 3.650.762            | 6.827.848            | 11.458.333           | 837                     | 1719                 | 2916                 | 4426                 | 6250                 |
|                          |                      |                      |                      |                      |                      |                         |                      |                      |                      |                      |
| 250/375                  | 18.826               | 31.836               | 49.776               | 73.436               | 103.609              | 87                      | 124                  | 166                  | 216                  | 271                  |
| 300/450                  | 32.809               | 55.307               | 86.276               | 127.068              | 179.036              | 126                     | 179                  | 240                  | 311                  | 391                  |
| 400/600                  | 73.733               | 126.783              | 200.618              | 298.673              | 424.383              | 216                     | 310                  | 421                  | 549                  | 694                  |
| 500/750                  | 135.808              | 238.731              | 383.740              | 578.049              | 828.872              | 325                     | 473                  | 649                  | 853                  | 1085                 |
| 600/900                  | 220.560              | 396.985              | 648.806              | 989.437              | 1.432.292            | 449                     | 664                  | 922                  | 1221                 | 1563                 |
| 700/1050                 | 334.791              | 613.154              | 1.014.266            | 1.560.550            | 2.274.426            | 593                     | 888                  | 1241                 | 1654                 | 2127                 |
| 800/1200                 | 474.624              | 886.870              | 1.487.411            | 2.311.668            | 3.395.062            | 748                     | 1135                 | 1602                 | 2150                 | 2778                 |
| 900/1350                 | 648.806              | 1.231.893            | 2.088.674            | 3.271.815            | 4.833.984            | 922                     | 1413                 | 2009                 | 2710                 | 3516                 |
| 1000/1500                | 885.830              | 1.685.047            | 2.860.576            | 4.485.021            | 6.630.980            | 1134                    | 1741                 | 2478                 | 3344                 | 4340                 |