

## Technical Properties

| Physical   | Unit              | Test Method   | Result                               |
|--|-------------------|---|--------------------------------------|
| Specific gravity                                     | g/cm <sup>3</sup> | ISO 1183  | 0.60 - 0.70                          |
| Water absorption till saturation 23°C                | %                 | DIN 53495   |                                      |
| Maximum service temp. Upper temp limit - short term  | °C                |   | 60                                   |
| Maximum service temp. Upper temp limit - Long term   | °C                |   | 60                                   |
| Lower temp limit                                     | °C                |   | 0                                    |
| Mechanical   | Unit              | Test Method   | Result                               |
| Tensile strength                                     | MPa               | ISO 527-1,2   | >15                                  |
| Tensile strength at break                            | MPa               | ISO 527-1,2   | >15                                  |
| Notch impact strength                                | kJ/m <sup>2</sup> | ISO 179-2   | 14                                   |
| Shore-D  |                   | ISO 868   | >45                                  |
| Tensile modulus of elasticity                        | MPa               | ISO 527-1,2   | >900                                 |
| Thermal  | Unit              | Test Method   | Result                               |
| Vicat-softening point VST/B/50                       | °C                | ISO 306   | 74                                   |
| Coefficient of linear thermal expansion 23°C - 100°C | m/(m.K)           | DIN 53752   | 0.75                                 |
| Thermal conductivity at 23°C                         | W/mK              | DIN 52612   | 0.10                                 |
| Electrical   | Unit              | Test Method   | Result                               |
| Surface resistivity                                  | Ω                 | DIN 53482   | > 10 <sup>14</sup>                   |
| Dielectric strength                                  | kV/mm             | MSZ EN 60243-1  | 15                                   |
| Additional Data                                      | Unit              | Test Method   | Result                               |
| Food compliance - FDA                                |                   | FDA   | no                                   |
| Food compliance - EU                                 |                   | EU 2011/10  | yes                                  |
| Flammability   | Unit              | Test Method   | Result                               |
| Fire performance                                     |                   | UL 94<br>DIN4102<br>CSE RF 3/77<br>NFP 92-501(F)<br>ISO 13501 | V0<br>B1<br>Class 1<br>M1<br>C-s3,d0 |
| Optical  | Unit              | Test Method   | Result                               |

All information is for guide purposes only. The data has been taken from standard test results provided by our manufacturers.