

## Technical Properties

| Physical   | Unit              | Test Method   | Result                                |
|--|-------------------|---|---------------------------------------|
| Specific gravity                                     | g/cm <sup>3</sup> | DIN EN ISO 1183   | 1.45                                  |
| Water absorption till saturation 23°C                | %                 | MSZ EN ISO 62   | 0.2                                   |
| Maximum service temp. Upper temp limit - short term  | °C                |   | 60                                    |
| Lower temp limit                                     | °C                |   | 0                                     |
| Mechanical   | Unit              | Test Method   | Result                                |
| Tensile strength                                     | MPa               | DIN EN ISO 527-1.2  | >45                                   |
| Elongation at yield                                  | %                 | DIN EN ISO 527  | >45                                   |
| Tensile strength at break                            | MPa               | DIN EN ISO 527  | >25                                   |
| Unnotched Impact strength                            | kJ/m <sup>2</sup> | DIN EN ISO 179  | no break                              |
| Notch impact strength                                | kJ/m <sup>2</sup> | DIN EN ISO 179  | no break                              |
| Shore-D  |                   | DIN EN ISO 868  | 80                                    |
| Tensile modulus of elasticity                        | MPa               | DIN EN ISO 527-1.2  | >2500                                 |
| Thermal  | Unit              | Test Method   | Result                                |
| Vicat-softening point VST/B/50                       | °C                | DIN EN ISO 306  | 79                                    |
| Coefficient of linear thermal expansion 23°C - 100°C | m/(m.K)           | DIN 53752   | 0.7                                   |
| Thermal conductivity at 23°C                         | W/mK              | DIN 52612   | 0.2                                   |
| Electrical   | Unit              | Test Method   | Result                                |
| Surface resistivity                                  | Ω                 | DIN 5348  | 10 <sup>13</sup>                      |
| Dielectric strength                                  | kV/mm             | MSZ EN 60243-1  | 21                                    |
| Additional Data                                      | Unit              | Test Method   | Result                                |
| Food compliance - FDA                                |                   | FDA   | no                                    |
| Food compliance - EU                                 |                   | EU 10/2011  | yes (wall linings only)               |
| Flammability   | Unit              | Test Method   | Result                                |
| Fire performance                                     |                   | UL 94<br>DIN4102<br>CSE RF 3/77<br>NFD 92-501(F)<br>BS 476 Part 7 | V-0<br>B2<br>Class 2<br>M2<br>Class 2 |
| 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.