

Trade name: **SIMOPOR-LIGHT**
 Date of printing: 28.07.2012

Revision: 05 / 2012

SIMOPOR-LIGHT

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| Data sheet update | 05 / 2012 |
| Density, g/cm ³ , DIN EN ISO 1183 | 0.550 |
| Yield stress, MPa, DIN EN ISO 527 | 16 |
| Elongation at yield, %, DIN EN ISO 527 | 3 |
| Tensile modulus of elasticity, MPa, DIN EN ISO 527 | 900 |
| Biege-E-Modul, MPa, DIN EN ISO 178 | 1100 |
| Impact strength, KJ/m ² , DIN EN ISO 179 | 12 |
| Shore hardness D, DIN EN ISO 868 | 49 |
| Mean coefficient of linear thermal expansion, K ⁻¹ , DIN 53752 | 0,7 × 10 ⁻⁴ |
| Fire behaviour DIN 4102 | DIN 4102 B1 low flammability 1 to 19 mm, general test certificate issued by an approved building inspectorate (Germany) |
| Fire behaviour NF P 92-501 | NF P 92-501 M1 from 3 to 10 mm |
| Surface resistivity, Ohm, DIN IEC 60093 | >10 ¹⁵ |
| Temperature range, °C | 0 to +60 |
| Physiological safety in accordance with BfR (German Federal Institute for risk valuation) | no |
| Physiological safety in accordance with EU | no |
| Physiological safety in accordance with FDA | no |

The data presented in this section are to be seen as a guide and may vary depending on the processing method and test specimen used. In general, the figures are averages of tests performed on extruded sheets with a thickness of 4 mm. In the case of sheets manufactured by means of pressing, testing is generally performed on sheets with a thickness of 20 mm. Deviations may be possible if sheets are not available in these specific thicknesses. In the case of backed sheets, all technical specifications relate to the non-backed base sheets. Please note that this information is not necessarily applicable to products that have undergone downstream processing. The suitability of a material for a specific area of application must be checked by the processor or end user. All technical specifications are provided only as a guide for planning purposes. They do not constitute a guarantee of specific properties or qualities. For further information, please contact our Technical Service Centre at tsc@simona.de.