

## SIMOPOR-LIGHT

Data sheet update	05 / 2012
Density, g/cm <sup>3</sup> , 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 <sup>2</sup> , DIN EN ISO 179	12
Shore hardness D, DIN EN ISO 868	49
Mean coefficient of linear thermal expansion, K <sup>-1</sup> , DIN 53752	0,7 × 10 <sup>-4</sup>
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 <sup>15</sup>
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

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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](mailto:tsc@simona.de).