

Trade name: **SIMOPOR-LIGHT**  
Date of printing: 25.04.2014

Revision: 22.11.2012

SIMOPOR-LIGHT	
Data sheet update	22.11.2012
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
Flexural modulus of elasticity, MPa, DIN EN ISO 178	1100
Impact strength, KJ/m <sup>2</sup> , DIN EN ISO 179	12
Shore hardness D (15 s), DIN EN ISO 868	49
Mean coefficient of linear thermal expansion, K <sup>-1</sup> , ISO 11359-2	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

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).