Trade name: **SIMOPOR S**
Date of printing: 22.05.2024

Revision: 15.07.2021

	SIMOPOR S
Data sheet update	15.07.2021
Density, g/cm³, DIN EN ISO 1183	0.550
Tensile modulus of elasticity, MPa, DIN EN ISO 527	900
Flexural modulus of elasticity, MPa, DIN EN ISO 178	1100
Shore hardness D, DIN EN ISO 868	35
Mean coefficient of linear thermal expansion, K^{-1} , ISO 11359-2	0,7 x 10^{-4}
Surface resistivity, Ohm , DIN IEC 60093	≥ 10^{13}
Temperature range, °C	0 to +60
Fire behaviour DIN 4102	DIN 4102 B1 low flammability 1 to 19 mm
Fire behaviour NF P 92-501	NF P 92-501 M1 from 3 to 10 mm
Fire behaviour DIN EN 13501-1	Euroclass B-s3-d0 from 1 to 19 mm

All specifications are deemed to be approximate values in respect of the specific material and may vary depending on the processing methods used. In general, data specified applies to average values measured 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 from the values specified are possible if the sheets in this thickness are not available. In the case of backed sheets, all technical specifications relate to the non-backed base sheets. Information presented herein is not necessarily applicable to other products (e.g. pipes, solid rods) of the same material or products that have undergone downstream processing. Suitability of materials for a specific field of application must be assessed by the party responsible for processing or the end-user. All technical specifications presented herein are designed merely to provide assistance in terms of project planning. They do not constitute a guarantee of specific properties or qualities. All technical specifications and temperature ranges were determined in short-term tests and therefore cannot be used for design work for permanent, long-term use that requires long-term properties. For further information, please contact our Technical Service Centre at tsc@simona.de.