

Trade name: **PE FOAM**
 Date of printing: 20.09.2015

Revision: 19.09.2014

| PE FOAM | |
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| Data sheet update | 19.09.2014 |
| Density, g/cm ³ , DIN EN ISO 1183 | 0.70 |
| Yield stress, MPa, DIN EN ISO 527 | 17 |
| Tensile modulus of elasticity, MPa, DIN EN ISO 527 | 700 |
| Flexural modulus of elasticity, MPa, DIN EN ISO 178 | 650 |
| Impact strength, KJ/m ² , DIN EN ISO 179 | without break |
| Shore hardness D (15 s), DIN EN ISO 868 | 61 |
| Fire behaviour DIN 4102 | DIN 4102 B2 normal flammability (self-assessment without test certificate) |
| Temperature range, °C | -50 to +80 |
| Physiological safety in accordance with BfR (German Federal Institute for risk valuation) | yes |
| Physiological safety in accordance with FDA | yes |

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.