Trade name: **PE 55**
Date of printing: 04.02.2016

Revision: 19.09.2014

	PE 55
Data sheet update	19.09.2014
Density, g/cm³ , DIN EN ISO 1183	0.94
Tensile modulus of elasticity, MPa, DIN EN ISO 527	800
Yield stress, MPa, DIN EN ISO 527	21
Elongation at yield, % , DIN EN ISO 527	9
Impact strength, KJ/m² , DIN EN ISO 179	without break
Shore hardness D (15 s), DIN EN ISO 868	65
Mean coefficient of linear thermal expansion, K^{-1} , ISO 11359-2	$1{,}8 \times 10^{-4}$
Vicat B, °C , DIN EN ISO 306	81
Fire behaviour DIN 4102	DIN 4102 B2 normal flammability (self-assessment without test certificate)
Temperature range, °C	-80 to +80
Physiological safety in accordance with BfR (German Federal Institute for risk valuation)	no
Note	Due to its properties, the recycled product may differ with regard to certain specifications.

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.