

Trade name: **PVC-CAW**
 Date of printing: 12.01.2016

Revision: 21.12.2015

PVC-CAW

Data sheet update	21.12.2015
Moulding compound extruded	PVC-U,EDP,074-05-T33
Extruded to moulding compound standard	DIN EN ISO 1163, Teil 1
Density, g/cm ³ , DIN EN ISO 1183	1.44
Tensile modulus of elasticity, MPa, DIN EN ISO 527	3300
Yield stress, MPa, DIN EN ISO 527	58
Elongation at yield, % , DIN EN ISO 527	4
Impact strength, KJ/m ² , DIN EN ISO 179	-
Notched impact strength, kJ/m ² , DIN EN ISO 179	4
Shore hardness D (15 s), DIN EN ISO 868	82
Mean coefficient of linear thermal expansion, K ⁻¹ , ISO 11359-2	0,8 × 10 ⁻⁴
Vicat B, °C , DIN EN ISO 306	74
Fire behaviour DIN 4102	DIN 4102 B1 low flammability 1 to 4 mm, general test certificate issued by an approved building inspectorate (Germany)
Fire behaviour UL 94	UL 94 V-0 up from 1 mm
Fire behaviour NF P 92-501	NF P 92-501 M1 from 1 to 3 mm
Fire behaviour BS 476	BS 476 class 1 for 3 mm
Dielectric strength, kV/mm , DIN IEC 60243-1	39
Surface resistivity, Ohm , DIN IEC 60093	10 ¹³
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

PVC-CAW**Note**

Contrary to the figures listed above, the following specifications shall apply to round rods made of PVC-U: Density in accordance with DIN EN ISO 1183: $\geq 1.37 \text{ g/cm}^3$ $\geq 2 \text{ kJ/m}^2$

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.