PE 100

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Extruded to moulding compound standard	DIN EN ISO 1872, Teil 1
Pressed to moulding compound standard	DIN EN ISO 1872, Teil 1
Moulding compound extruded	PE,EACH,50 T 003
Moulding compound pressed	PE,QACH,50 T 003
Density, g/cm³ ISO 1183	0,960
Yield stress, MPa DIN EN ISO 527	23
Elongation at yield, % DIN EN ISO 527	
Elongation at break, % DIN EN ISO 527	600
Tensile modulus of elasticity, MPa DIN EN ISO 527	900
Impact strength, kJ/m² DIN EN ISO 179	without break
Notched impact strength, kJ/m² DIN EN ISO 179	12
Ball indentation hardness, MPa DIN EN ISO 2039-1	40
Shore hardness (D) ISO 868	63
Mean coefficient of linear thermal expansion, K E-1 DIN 53752	1,8 × 10-4
Thermal conductivity, W/m * K DIN 52612	0,38
Fire behaviour DIN 4102	normal inflamable
Dielectric strength, kV/mm DIN IEC 60243-1	22
Surface resistivity, Ohm DIN IEC 60093	1014
Temperature range, °C	-50 to +80
Physiological safety in accordance with BfR	yes

All specifications are deemed to be approximate values and may vary depending on the processing methods used and the specimen or test piece. In general, data specified applies to average values measured on extruded sheets with a thickness of 4mm. Deviations from the values specified are possible if the sheets in this thickness are not available. Information presented herein cannot necessarily be applied to finished items or products. 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. Under no circumstances do they constitute a guaranteed property or quality of the items presented.

For further information, please contact our Applications Technology Department: ata@simona.de.