PPS Rod - Technical Data Sheet

Moulding compound extruded	PP-H,ECFH,16-09-003/006
Extruded to moulding compound standard	DIN EN ISO 1873, Teil 1
Moulding compound pressed	PP-H,QCFH,16-09-003/006
Pressed to moulding compound standard	DIN EN ISO 1873, Teil 1
Density, g/cm3, ISO 1183	0.95
Yield stress, MPa, DIN EN ISO 527	32
Elongation at yield, %, DIN EN ISO 527	8
Tensile modulus of elasticity, MPa, DIN EN ISO	1600
Impact strength, kJ/m2, DIN EN ISO 179	Without break
Ball indentation hardness, MPa, DIN EN ISO 2039-1	70
Mean coefficient of linear thermal expansion, K-1, DIN 53752	1,6 × 10-4
Fire behaviour DIN 4102	B1 low flammability 2 to 20 mm
Dielectric strength, kV/mm, DIN IEC 60243-1	22
Surface resistivity, Ohm, DIN IEC 60093	1014
Temperature range, °C	0 to +100
Physiological safety in accordance with BfR	No

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.