



PE300 Extruded Weld Rod

Bay Plastics Datasheet

Property	Test
Moulding compound extruded	PE, EN, 45 T 003/6
Extruded to moulding compound standard	DIN EN ISO 1872, Teil 1
Moulding compound pressed	PE, QN, 45 T 003/6
Pressed to moulding compound standard	DIN EN ISO 1872, Teil 1
Density – g/cm ³ - ISO 1183	0.947
Yield stress – MPa – DIN EN ISO 527	22
Elongation at yield - % - DIN EN ISO 527	9
Tensile modulus of elasticity – MPa – DIN EN ISO	900
Impact strength – kJ/m ² – DIN EN ISO 179	Without break
Ball indentation hardness – MPa – DIN EN ISO 2039-1	43
Mean coefficient of linear thermal expansion – K-1 – DIN 53752	1.8 x 10 ⁻⁴
Fire behaviour – DIN 4102	B2 normal flammability
Dielectric strength - kV/mm – DIN IEC 60243-1	50
Surface resistivity – Ohm – DIN IEC 60093	1014
Temperature range - °C	-50 - +80
Physiological safety in accordance with BfR	Yes