



PE300 Extruded Sheet – Pressed & Planed

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 |