



| <b>DURACON® M90-44</b>                      |       |       |                 |
|---------------------------------------------|-------|-------|-----------------|
| POM                                         |       |       | Polyplastics    |
| Mechanical properties                       | Value | Unit  | Test Standard   |
| <b>ISO Data</b>                             |       |       |                 |
| Tensile Modulus                             | 2700  | MPa   | ISO 527-1/-2    |
| Tensile Strength                            | 62    | MPa   | ISO 527-1/-2    |
| Nominal strain at break                     | 35    | %     | ISO 527-1/-2    |
| Charpy notched impact strength (+23°C)      | 6     | kJ/m² | ISO 179/1eA     |
| Flexural modulus (23°C)                     | 2500  | MPa   | ISO 178         |
| Thermal properties                          | Value | Unit  | Test Standard   |
| <b>ISO Data</b>                             |       |       |                 |
| Temp. of deflection under load (1.80 MPa)   | 95    | °C    | ISO 75-1/-2     |
| Coeff. of linear therm. expansion, parallel | 120   | E-6/K | ISO 11359-1/-2  |
| Coeff. of linear therm. expansion, normal   | 120   | E-6/K | ISO 11359-1/-2  |
| Burning behav. at thickness h               | HB    | class | IEC 60695-11-10 |
| UL recognition                              | UL    | -     | -               |
| Electrical properties                       | Value | Unit  | Test Standard   |
| <b>ISO Data</b>                             |       |       |                 |
| Volume resistivity                          | 1E12  | Ohm*m | IEC 60093       |
| Surface resistivity                         | >1E15 | Ohm   | IEC 60093       |
| Electric strength                           | 19    | kV/mm | IEC 60243-1     |
| Other properties                            | Value | Unit  | Test Standard   |
| <b>ISO Data</b>                             |       |       |                 |
| Density                                     | 1410  | kg/m³ | ISO 1183        |
| <b>Characteristics</b>                      |       |       |                 |
| <b>Features</b>                             |       |       |                 |
| Copolymer                                   |       |       |                 |