



| DURACON® TR-10D                             |        |       |                 |
|---|--------|-------|-----------------|
| POM-MX                                      |        |       | Polyplastics    |
| Processing/Physical Characteristics         | Value  | Unit  | Test Standard   |
| <b>ASTM Data</b>                            |        |       |                 |
| Density, 73°F                               | 1480   | kg/m³ | ASTM D 792      |
| <b>Mechanical properties</b>                |        |       |                 |
| <b>ISO Data</b>                             |        |       |                 |
| Tensile Modulus                             | 3700   | MPa   | ISO 527-1/-2    |
| Tensile Strength                            | 57     | MPa   | ISO 527-1/-2    |
| Strain at break                             | 5      | %     | ISO 527-1/-2    |
| Charpy notched impact strength (+23°C)      | 3.3    | kJ/m² | ISO 179/1eA     |
| Flexural modulus (23°C)                     | 3500   | MPa   | ISO 178         |
| <b>ASTM Data</b>                            |        |       |                 |
| Tensile Strength                            | 55     | MPa   | ASTM D 638      |
| Flexural Modulus                            | 3430   | MPa   | ASTM D 790      |
| Flexural Strength                           | 93     | MPa   | ASTM D 790      |
| Izod Impact notched, 1/8 in                 | 0.0327 | kJ/m  | ASTM D 256      |
| <b>Thermal properties</b>                   |        |       |                 |
| <b>ISO Data</b>                             |        |       |                 |
| Temp. of deflection under load (1.80 MPa)   | 112    | °C    | ISO 75-1/-2     |
| Coeff. of linear therm. expansion, parallel | 90     | E-6/K | ISO 11359-1/-2  |
| Coeff. of linear therm. expansion, normal   | 90     | E-6/K | ISO 11359-1/-2  |
| Burning behav. at thickness h               | HB     | class | IEC 60695-11-10 |
| UL recognition                              | UL     | -     | -               |
| <b>ASTM Data</b>                            |        |       |                 |
| DTUL @ 264 psi                              | 142    | °C    | ASTM D 648      |
| <b>Electrical properties</b>                |        |       |                 |
| <b>ISO Data</b>                             |        |       |                 |
| Volume resistivity                          | 3E12   | Ohm*m | IEC 60093       |
| Surface resistivity                         | >1E15  | Ohm   | IEC 60093       |
| <b>Other properties</b>                     |        |       |                 |
| <b>ISO Data</b>                             |        |       |                 |
| Density                                     | 1480   | kg/m³ | ISO 1183        |
| <b>Characteristics</b>                      |        |       |                 |
| <b>Features</b>                             |        |       |                 |
| Creep Resistance, Low Warpage, Copolymer    |        |       |                 |