

**DURACON® M25-34**

POM

Polyplastics

| Processing/Physical Characteristics | Value | Unit                   | Test Standard   |
|-------------------------------------|-------|------------------------|-----------------|
| <b>ISO Data</b>                     |       |                        |                 |
| Melt volume-flow rate, MVR          | 2.2   | cm <sup>3</sup> /10min | ISO 1133        |
| Temperature                         | 190   | °C                     | -               |
| Load                                | 2.16  | kg                     | -               |
| Melt flow index, MFI                | 2.5   | g/10min                | ISO 1133        |
| Temperature                         | 190   | °C                     | -               |
| Load                                | 2.16  | kg                     | -               |
| Molding shrinkage, parallel         | 2.7   | %                      | ISO 294-4, 2577 |
| Molding shrinkage, normal           | 2.3   | %                      | ISO 294-4, 2577 |

| Mechanical properties                 | Value | Unit              | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| <b>ISO Data</b>                       |       |                   |               |
| Tensile Modulus                       | 2500  | MPa               | ISO 527       |
| Tensile Strength                      | 59    | MPa               | ISO 527       |
| Nominal strain at break               | 40    | %                 | ISO 527       |
| Flexural modulus, 23°C                | 2350  | MPa               | ISO 178       |
| Flexural strength                     | 81    | MPa               | ISO 178       |
| Charpy notched impact strength, +23°C | 8     | kJ/m <sup>2</sup> | ISO 179/1eA   |
| Rockwell hardness                     | M 80  | -                 | ISO 2039-2    |

| Thermal properties                          | Value | Unit  | Test Standard   |
|---|-------|-------|-----------------|
| <b>ISO Data</b>                             |       |       |                 |
| Temp. of deflection under load, 1.80 MPa    | 90    | °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 |
| Yellow Card available                       | yes   | -     | -               |

| Electrical properties | Value | Unit  | Test Standard |
|-----------------------|-------|-------|---------------|
| <b>ISO Data</b>       |       |       |               |
| Electric strength     | 19    | kV/mm | IEC 60243-1   |

| Other properties | Value | Unit              | Test Standard |
|------------------|-------|-------------------|---------------|
| Density          | 1410  | kg/m <sup>3</sup> | ISO 1183      |

**Characteristics****Processing**

Other Extrusion

**Regional Availability**

Asia Pacific