

KEPITAL® MX30BT01

POM

Korea Engineering Plastics Co. Ltd.

| Processing/Physical Characteristics | Value | Unit | Test Standard |
|-------------------------------------|-------|---------|-----------------|
| ISO Data | | | |
| Melt flow index, MFI | 28 | g/10min | ISO 1133 |
| Molding shrinkage, parallel | 2.0 | % | ISO 294-4, 2577 |

| Mechanical properties | Value | Unit | Test Standard |
|---------------------------------------|-------|-------------------|---------------|
| ISO Data | | | |
| Tensile Strength | 64 | MPa | ISO 527 |
| Yield strain | 8 | % | ISO 527 |
| Nominal strain at break | 18 | % | ISO 527 |
| Flexural modulus, 23°C | 2600 | MPa | ISO 178 |
| Charpy notched impact strength, +23°C | 5 | kJ/m ² | ISO 179/1eA |

| Thermal properties | Value | Unit | Test Standard |
|---|-------|-------|-----------------|
| ISO Data | | | |
| Melting temperature, 10°C/min | 165 | °C | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.80 MPa | 101 | °C | ISO 75-1/-2 |
| Coeff. of linear therm. expansion, parallel | 120 | E-6/K | ISO 11359-1/-2 |
| Burning behav. at thickness h | HB | class | IEC 60695-11-10 |

| Electrical properties | Value | Unit | Test Standard |
|-----------------------|-------|-------|---------------|
| ISO Data | | | |
| Surface resistivity | >1E15 | Ohm | IEC 62631-3-2 |
| Electric strength | 19 | kV/mm | IEC 60243-1 |

| Other properties | Value | Unit | Test Standard |
|---------------------|-------|-------------------|----------------|
| Humidity absorption | 0.2 | % | Sim. to ISO 62 |
| Density | 1410 | kg/m ³ | ISO 1183 |

Characteristics**Processing**

Injection Molding

Applications

Medical

Regional Availability

North America, Europe, Asia Pacific