

# KEPITAL® F20-02

POM, medium-viscosity  
 - A medium-viscosity grade for general injection molding

## Product information

Part Marking Code > POM < ISO 11469

## Rheological properties

Moulding shrinkage range, parallel 2.0 % ISO 294-4, 2577

## Typical mechanical properties

|  |                       |              |
|--|-----------------------|--------------|
| Tensile Modulus                        | 2750 MPa              | ISO 527-1/-2 |
| Yield stress, 50mm/min                 | 65 MPa                | ISO 527-1/-2 |
| Yield strain, 50mm/min                 | 10 %                  | ISO 527-1/-2 |
| Nominal strain at break                | 32 %                  | ISO 527-1/-2 |
| Flexural Modulus                       | 2550 MPa              | ISO 178      |
| Flexural Strength                      | 87 MPa                | ISO 178      |
| Charpy notched impact strength, 23 °C  | 6.5 kJ/m <sup>2</sup> | ISO 179/1eA  |
| Charpy notched impact strength, -30 °C | 5.5 kJ/m <sup>2</sup> | ISO 179/1eA  |

## Thermal properties

|   |           |                |
|---|-----------|----------------|
| Melting temperature, 10 °C/min              | 165 °C    | ISO 11357-1/-3 |
| Temp. of deflection under load, 1.8 MPa     | 100 °C    | ISO 75-1/-2    |
| Coeff. of linear therm. expansion, parallel | 120 E-6/K | ISO 11359-1/-2 |

## Electrical properties

|                     |            |               |
|---------------------|------------|---------------|
| Volume resistivity  | 1E12 Ohm.m | IEC 62631-3-1 |
| Surface resistivity | 1E16 Ohm   | IEC 62631-3-2 |
| Electric strength   | 19 kV/mm   | IEC 60243-1   |

## Other properties

|                          |                        |                |
|--------------------------|------------------------|----------------|
| Humidity absorption, 2mm | 0.2 %                  | Sim. to ISO 62 |
| Density                  | 1410 kg/m <sup>3</sup> | ISO 1183       |

---