

# KEPITAL® TS-25A

A wear resistance grade modified with a special silicone for general injection molding.

A wear resistance grade modified with a special silicone for general injection molding. Designed for applications requiring low wear and friction.

## Rheological properties

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

## Typical mechanical properties

|                                      |                     |              |
|--------------------------------------|---------------------|--------------|
| Yield stress, 50mm/min               | 58 MPa              | ISO 527-1/-2 |
| Yield strain, 50mm/min               | 12 %                | ISO 527-1/-2 |
| Nominal strain at break              | 30 %                | ISO 527-1/-2 |
| Flexural Modulus                     | 2500 MPa            | ISO 178      |
| Flexural Strength                    | 80 MPa              | ISO 178      |
| Charpy notched impact strength, 23°C | 6 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     | 90 °C     | ISO 75-1/-2    |
| Coeff. of linear therm. expansion, parallel | 130 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 |

## Other properties

|                          |                        |                |
|--------------------------|------------------------|----------------|
| Humidity absorption, 2mm | 0.2 %                  | Sim. to ISO 62 |
| Density                  | 1390 kg/m <sup>3</sup> | ISO 1183       |

