

# KEPITAL® F10-52H

POM, UV-stabilized, high-viscosity  
 - A UV-stabilized high-viscosity grade for general injection molding.  
 - Developed for applications in automotive interiors and exposed part

## Product information

Part Marking Code > POM < ISO 11469

## Typical mechanical properties

|                                      |                     |              |
|--------------------------------------|---------------------|--------------|
| Yield stress, 50mm/min               | 63 MPa              | ISO 527-1/-2 |
| Yield strain, 50mm/min               | 10 %                | ISO 527-1/-2 |
| Nominal strain at break              | 35 %                | ISO 527-1/-2 |
| Flexural Modulus                     | 2500 MPa            | ISO 178      |
| Flexural Strength                    | 83 MPa              | ISO 178      |
| Charpy notched impact strength, 23°C | 8 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     | 85 °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 |

## Other properties

|                          |                        |                |
|--------------------------|------------------------|----------------|
| Humidity absorption, 2mm | 0.2 %                  | Sim. to ISO 62 |
| Density                  | 1400 kg/m <sup>3</sup> | ISO 1183       |

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