

# KEPITAL® TE-25 (FU2025)

toughened, medium-high viscosity grade

KEPITAL® TE-25 is a toughened, medium-high viscosity grade for general injection molding. Suitable for applications requiring much higher impact resistance and toughness than TE-24.

## Rheological properties

Moulding shrinkage, parallel	1.6 %	ISO 294-4, 2577
------------------------------	-------	-----------------

## Typical mechanical properties

Yield stress, 50mm/min	39 MPa	ISO 527-1/-2
Yield strain, 50mm/min	14 %	ISO 527-1/-2
Nominal strain at break	>50 %	ISO 527-1/-2
Flexural Modulus	1250 MPa	ISO 178
Flexural Strength	46 MPa	ISO 178
Charpy notched impact strength, 23°C	21 kJ/m <sup>2</sup>	ISO 179/1eA
Poisson's ratio	0.355	

## Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	65 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 E-6/K	ISO 11359-1/-2

## Electrical properties

Volume resistivity	>1E14 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16 Ohm	IEC 62631-3-2
Electric strength	21 kV/mm	IEC 60243-1

## Other properties

Density	1340 kg/m <sup>3</sup>	ISO 1183
---------	------------------------	----------