

# KEPITAL® FM2520S (F25-OW)

A MoS<sub>2</sub> modified wear resistant grade for general injection molding

KEPITAL FM2025S is a MoS<sub>2</sub> modified wear resistance for general injection molding. It is suitable for parts requiring strong friction and wear resistance, particularly in contact with metals.

## Rheological properties

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

## Typical mechanical properties

Yield stress, 50mm/min	58 MPa	ISO 527-1/-2
Yield strain, 50mm/min	10 %	ISO 527-1/-2
Nominal strain at break	33 %	ISO 527-1/-2
Flexural Modulus	2400 MPa	ISO 178
Flexural Strength	80 MPa	ISO 178
Charpy notched impact strength, 23°C	5.5 kJ/m <sup>2</sup>	ISO 179/1eA

## Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
-------------------------------	--------	----------------

## 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	1380 kg/m <sup>3</sup>	ISO 1183