

KEPITAL® FM2520S (F25-OW)

A MoS2 modified wear resistant grade for general injection molding

KEPITAL FM2025S is a MoS2 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 range, parallel	2.0 %	ISO 294-4, 2577
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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 ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
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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 ³	ISO 1183
