

KEPITAL® FM2020

A MoS2 modified wear resistant grade for general injection molding

KEPITAL FM2020 is a MoS2 modified wear resistance for general injection molding. It is suitable for parts requiring strong friction and wear resistance and high stiffness.

Rheological properties

Moulding shrinkage, parallel	2.0 %	ISO 294-4, 2577
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Typical mechanical properties

Yield stress, 50mm/min	65 MPa	ISO 527-1/-2
Yield strain, 50mm/min	9.5 %	ISO 527-1/-2
Nominal strain at break	20 %	ISO 527-1/-2
Flexural Modulus	2690 MPa	ISO 178
Flexural Strength	90 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	1430 kg/m ³	ISO 1183