

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 wit metals.

Rheological properties

Three legical 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/m²	ISO 179/1eA
Thermal properties			
Melting temperature, 10 ° C/min	165	°C	ISO 11357-1/-3
Electrical properties			
Volume resistivity	>1F12	Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16	_	IEC 62631-3-2
Other properties			
Humidity absorption, 2mm	0.2	%	Sim. to ISO 62
Density		kg/m ³	ISO 1183
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