

KEPITAL® TS-22H

A silicone-modified wear resistance grade for general injection molding

A silicone-modified wear resistance grade for general injection molding. Designed for applications requiring low wear and friction.

Rheological properties

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

Yield stress, 50mm/min	64 MPa	ISO 527-1/-2
Yield strain, 50mm/min	10 %	ISO 527-1/-2
Nominal strain at break	22 %	ISO 527-1/-2
Flexural Modulus	2500 MPa	ISO 178
Flexural Strength	85 MPa	ISO 178
Charpy notched impact strength, 23°C	6 kJ/m ²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	168 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	90 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	130 E-6/K	ISO 11359-1/-2

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	1400 kg/m ³	ISO 1183

Other Approvals

Other Approvals	OEM	Specification	Additional Information
	GM	GMW22P-POM-C3S	Natural
	GM	GMW22P-POM-C3	

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