

KEPITAL® F20-03

A medium-viscosity grade for general injection molding
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Rheological properties

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

Tensile Modulus	2750 MPa	ISO 527-1/-2
Yield stress, 50mm/min	65 MPa	ISO 527-1/-2
Yield strain, 50mm/min	10 %	ISO 527-1/-2
Nominal strain at break	32 %	ISO 527-1/-2
Flexural Modulus	2550 MPa	ISO 178
Flexural Strength	87 MPa	ISO 178
Charpy notched impact strength, 23°C	6.5 kJ/m ²	ISO 179/1eA
Charpy notched impact strength, -30 °C	5.5 kJ/m ²	ISO 179/1eA
Poisson's ratio	0.366	

Thermal properties

Melting temperature, 10°C/min	165 °C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	100 °C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120 E-6/K	ISO 11359-1/-2

Electrical properties

Volume resistivity	>1E14 Ohm.m	IEC 62631-3-1
Surface resistivity	>1E16 Ohm	IEC 62631-3-2
Electric strength	19 kV/mm	IEC 60243-1

Other properties

Humidity absorption, 2mm	0.2 %	Sim. to ISO 62
Density	1410 kg/m ³	ISO 1183

Other Approvals

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OEM	Specification	Additional Information
GM	GMW22P-POM-C2	
Ford	WSS-M98P14-A3	ASN 9899
Ford	WSK-M4D635-A2	ASN 3101
Ford	WSS-M98P14-A7	Natural; ASN 12251
Stellantis - PSA Group	B62 0020	
TESLA	TM-1005-40	Natural

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TESLA	TM-1005-50	Natural
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