Celanese
The chemistry inside innovation™

KEPITAL® F30-03 LOF

unfilled, low viscosity grade; low emission
- A low-viscosity grade for general injection molding.
- A low-emission grade featuring thermal stability.
- Suitable for multi-cavity molds and thin-walled part.

Rheological properties

Moulding shrinkage, parallel	2.0	%	ISO 294-4, 2577

Typical mechanical properties

Tensile Modulus	2850	MPa	ISO 527-1/-2
Yield stress, 50mm/min	65	MPa	ISO 527-1/-2
Yield strain, 50mm/min	8	%	ISO 527-1/-2
Nominal strain at break	25	%	ISO 527-1/-2
Flexural Modulus	2700	MPa	ISO 178
Charpy notched impact strength, 23°C	5.5	kJ/m²	ISO 179/1eA
Charpy notched impact strength, -30°C	4.5	kJ/m²	ISO 179/1eA

Thermal properties

Melting temperature, 10°C/min	165	°C	ISO 11357-1/-3
Temp. of deflection under load, 1.8 MPa	101	°C	ISO 75-1/-2
Coeff. of linear therm. expansion, parallel	120	E-6/K	ISO 11359-1/-2

Electrical properties

Surface resistivity	>1E15	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/m³	ISO 1183

Other Approvals

Other Approvals

OEM	Specification	Additional Information
GM	GMW22P-POM-C4	Natural

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