Celanese
The chemistry inside innovation™

# KEPITAL® F20-03 LOF

A low-emission(medium-viscosity)grade for general injection molding.
- A low-emission(medium-viscosity)grade for general injection molding.
- Features improved heat stability

## Rheological properties

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

## 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 | 35 | % | 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 |

## 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

| | | | |
|---|---|---|---|
| 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 | $kg/m^3$ | ISO 1183 |

## Other Approvals

Other Approvals

| OEM | Specification | Additional Information |
|---|---|---|
| GM | GMW22P-POM-C2 | |
| GM | GMW17008P-POM-C2 | Black |
| Ford | WSK-M4D635-A2 | ASN 3094 |
| Stellantis - PSA Group | B62 0020 | |

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