



CELCON® F20-03 LOF

CELCON®

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

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|---|--|---------------|---|
| Resin Identification Part Marking Code | POM >POM< | | ISO 1043 ISO 11469 |
| Rheological properties | | | |
| Melt mass-flow rate Melt mass-flow rate, Temperature Melt mass-flow rate, Load Moulding shrinkage, parallel | 9 190 2.16 2.0 | kg | ISO 1133 ISO 294-4, 2577 |
| Typical mechanical properties | | | |
| Tensile modulus Tensile stress at yield, 50mm/min Tensile strain at yield, 50mm/min Nominal strain at break Flexural modulus Flexural strength Charpy notched impact strength, 23°C Charpy notched impact strength, -30°C Poisson's ratio [C]: Calculated | 10 35 2550 87 6.5 | MPa % % | ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 527-1/-2 ISO 178 ISO 178 ISO 179/1eA |
| Thermal properties | | | |
| Melting temperature, 10 °C/min Temperature of deflection under load, 1.8 MPa Coefficient of linear thermal expansion (CLTE), parallel Electrical properties | 165 100 120 | | ISO 11357-1/-3 ISO 75-1/-2 ISO 11359-1/-2 |
| Surface resistivity Electric strength | >1E15 19 | Ohm kV/mm | IEC 62631-3-2 IEC 60243-1 |
| Physical/Other properties Humidity absorption, 2mm Density | 0.2 1410 | | Sim. to ISO 62 ISO 1183 |
| Injection | | | |
| Drying Recommended Drying Temperature Drying Time, Dehumidified Dryer Processing Moisture Content Melt Temperature Optimum Min. melt temperature | no 100 3 - 4 ≤0.2 185 180 | h % °C | |

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190 °C

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Max. melt temperature





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Screw tangential speed≤0.3 m/sMold Temperature Optimum70 °CMin. mould temperature60 °CMax. mould temperature80 °CHold pressure range60 - 120 MPa

Characteristics

Processing Injection Moulding

Delivery form Pellets

Special characteristics Low emissions

Automotive

OEM STANDARD ADDITIONAL INFORMATION

BMW GS93016 Black, Ulsan, Korea

 BYD
 BYD-TY-D13F05-0043
 F20-03 LOF BK2, Ulsan, Korea

 BYD
 BYD-TY-D13F05-0043
 F20-03 LOF NAT2, Ulsan, Korea

Ford WSK-M4D635-A2 ASN 3094 WSK-M4D635-A2 **ASN 3094** Ford GMW17008P-POM-C2 General Motors Black General Motors GMW17008P-POM-C2 Natural General Motors GMW22P-POM-C2 Natural General Motors GMW22P-POM-C2 Black

Mercedes-Benz DBL5410

NIO NIO-SM.51.007-C2

Stellantis B62 0300 / 61/30/U4/AD1/W1/E2/215E/C1 01994_16_00541

VW Group TL 524 76 VW 50180

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