

HOSTAFORM[®] C 36021

HOSTAFORM®

Hostaform® C 36021 is an unfilled acetal copolymer grade formulated for high flow while retaining a good balance of mechanical properties.

Chemical abbreviation according to ISO 1043-1: POM

Product information **Resin Identification** POM ISO 1043 Part Marking Code >POM< ISO 11469 Rheological properties Melt volume-flow rate 31 cm³/10min ISO 1133 Temperature 190 °C Load 2.16 kg Moulding shrinkage, parallel 1.9 % ISO 294-4, 2577 Moulding shrinkage, normal 1.8 % ISO 294-4, 2577 Typical mechanical properties Tensile modulus ISO 527-1/-2 2800 MPa Tensile stress at yield, 50mm/min 68 MPa ISO 527-1/-2 Tensile strain at yield, 50mm/min ISO 527-1/-2 8 % Flexural modulus 2800 MPa ISO 178 Flexural stress at 3.5% 76 MPa ISO 178 Charpy notched impact strength, 23°C 5 kJ/m² ISO 179/1eA 0.37^[C] Poisson's ratio [C]: Calculated Thermal properties Melting temperature, 10°C/min 166 °C ISO 11357-1/-3 Temperature of deflection under load, 1.8 MPa 103 °C ISO 75-1/-2 Coefficient of linear thermal expansion 110 E-6/K ISO 11359-1/-2 (CLTE), parallel Physical/Other properties Densitv 1410 kg/m³ ISO 1183 Injection **Drying Recommended** no **Drying Temperature** 100 °C Drying Time, Dehumidified Dryer 3-4 h **Processing Moisture Content** ≤0.2 % Melt Temperature Optimum 190 °C Min. melt temperature 180 °C 200 °C Max. melt temperature Screw tangential speed ≤0.3 m/s Mold Temperature Optimum 100 °C Min. mould temperature 80 °C Max. mould temperature 120 °C 60 - 120 MPa Hold pressure range Back pressure 4 MPa

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Characteristics

Processing Delivery form Special characteristics Injection Moulding Pellets High Flow

Additional information

Processing Notes

Pre-Drying

Normally not necessary to dry Hostaform. However, drying is recommended for the best surface finish.

Storage

Product can be stored in standard conditions until processed.

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