

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

| | 100 | | 4.5 |
|------|------|-------|--------|
| Prod | LICT | ıntor | mation |

| Resin Identification | POM | | ISO 1043 |
|------------------------------|-------|------------------------|-----------------|
| Part Marking Code | >POM< | | ISO 11469 |
| Rheological properties | | | |
| Melt volume-flow rate | 31 | cm ³ /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 | 2800 | MPa | ISO 527-1/-2 |
|--------------------------------------|---------------------|-------|--------------|
| Tensile stress at yield, 50mm/min | 68 | MPa | ISO 527-1/-2 |
| Tensile strain at yield, 50mm/min | 8 | % | ISO 527-1/-2 |
| Flexural modulus | 2800 | MPa | ISO 178 |
| Flexural stress at 3.5% | 76 | MPa | ISO 178 |
| Charpy notched impact strength, 23°C | - | kJ/m² | ISO 179/1eA |
| Poisson's ratio | 0.37 ^[C] | | |

Thermal properties

[C]: Calculated

| 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 |
| (CLTF), parallel | | |

Physical/Other properties

| Density | 1410 kg/m³ | ISO 1183 |
|---------|------------|----------|
|---------|------------|----------|

Injection

| no | |
|----------|---|
| 100 | °C |
| 3 - 4 | h |
| ≤0.2 | % |
| 190 | °C |
| 180 | °C |
| 200 | °C |
| ≤0.3 | m/s |
| 100 | °C |
| 80 | °C |
| 120 | °C |
| 60 - 120 | MPa |
| 4 | MPa |
| | 100 3 - 4 ≤0.2 190 180 200 ≤0.3 100 80 120 60 - 120 |

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Revised: 2024-11-05 Source: Celanese Materials Database



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Characteristics

Processing Injection Moulding

Delivery form Pellets

Special characteristics 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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