

**Product Texts**

Low Viscosity, Food Contact Quality

ISO 1043 PBT

| Processing/Physical Characteristics       | Value       | Unit                   | Test Standard |
|---|-------------|------------------------|---------------|
| <b>ISO Data</b>                           |             |                        |               |
| <sup>[C]</sup> Melt volume-flow rate, MVR | <b>75</b>   | cm <sup>3</sup> /10min | ISO 1133      |
| Temperature                               | <b>250</b>  | °C                     | -             |
| Load                                      | <b>2.16</b> | kg                     | -             |

[C]: CAMPUS

| Thermal properties                           | Value      | Unit | Test Standard  |
|--|------------|------|----------------|
| <b>ISO Data</b>                              |            |      |                |
| <sup>[C]</sup> Melting temperature, 10°C/min | <b>225</b> | °C   | ISO 11357-1/-3 |

[C]: CAMPUS

| Other properties                   | Value       | Unit              | Test Standard  |
|------------------------------------|-------------|-------------------|----------------|
| <sup>[C]</sup> Water absorption    | <b>0.45</b> | %                 | Sim. to ISO 62 |
| <sup>[C]</sup> Humidity absorption | <b>0.18</b> | %                 | Sim. to ISO 62 |
| <sup>[C]</sup> Density             | <b>1300</b> | kg/m <sup>3</sup> | ISO 1183       |

[C]: CAMPUS

| Processing Recommendation Injection Molding | Value            | Unit | Test Standard |
|---|------------------|------|---------------|
| Pre-drying - Temperature                    | <b>100 - 120</b> | °C   | -             |
| Pre-drying - Time                           | <b>3 - 12</b>    | h    | -             |
| Melt temperature                            | <b>240 - 270</b> | °C   | -             |
| Mold temperature                            | <b>60 - 100</b>  | °C   | -             |
| Zone 1                                      | <b>230 - 240</b> | °C   | -             |
| Zone 2                                      | <b>230 - 250</b> | °C   | -             |
| Zone 3                                      | <b>240 - 260</b> | °C   | -             |
| Nozzle temperature                          | <b>240 - 260</b> | °C   | -             |
| Back pressure                               | <b>3 - 10</b>    | MPa  | -             |

**Characteristics**

**Processing**

Injection Molding

**Certifications**

Food contact

**Delivery form**

Pellets

**Regional Availability**

Europe

**Other text information**

**Injection molding**

- [Injection Molding Recommendations](#)
- [Steel recommendations for molds screws and barrels](#)
- [Supporting document for Stanyl quality processing](#)