

Selenis SELEKT LC 400 Copolyester for Injection Molding

Categories: [Polymer](#); [Thermoplastic](#); [Polyester, TP](#)

Material Notes: Selenis Selekt LC 400 is a copolyester that has been specifically developed as an economical solution suitable for thick wall injection molding of highly transparent parts. Injection molded parts made from Selenis Selekt LC 400 combine good clarity and gloss, with toughness and durability. Thanks to Selenis Selekt LC 400 high dimensional stability, multiple parts products may be assembled with snap-fit connectors, maintaining the strength required to sustain daily wear and tear. Selenis Selekt LC 400 is the ideal solution when an economical solution is needed, whilst maintaining sound product performance in terms of transparency and endurance.

Information provided by Selenis.

Vendors: No vendors are listed for this material. Please [click here](#) if you are a supplier and would like information on how to add your listing to this material.

| Physical Properties | Metric | English | Comments |
|------------------------------------|--|--|-----------------------|
| Bulk Density | 0.800 g/cc | 0.0289 lb/in ³ | |
| Density | >= 1.36 g/cc | >= 0.0491 lb/in ³ | |
| Moisture Absorption at Equilibrium | <= 0.20 % | <= 0.20 % | |
| Viscosity Test | 59 - 63 cm ³ /g | 0.59 - 0.63 dl/g | Intrinsic; ISO 1628-5 |
| Crystallinity | >= 29 % | >= 29 % | ASTM D1505 |
| ASTM Color | <= 0.00 | <= 0.00 | b*; ASTM D6290 |
| | >= 80 | >= 80 | L*; ASTM D6290 |

| Thermal Properties | Metric | English | Comments |
|--------------------|---------------------------|---------------------------|------------|
| Melting Point | <= 235 °C | <= 455 °F | ASTM D3418 |

| Processing Properties | Metric | English | Comments |
|------------------------|--|--|----------------------|
| Processing Temperature | 265 °C | 509 °F | |
| Drying Temperature | 120 - 150 °C | 248 - 302 °F | 10°C ramp every hour |
| | @Time 14400 - 21600 sec | @Time 4.00 - 6.00 hour | |
| Moisture Content | <= 0.0040 % | <= 0.0040 % | dried |
| Dew Point | -40.0 °C | -40.0 °F | |

Descriptive Properties

| | |
|----------------------------|----------------------|
| Food Approval Pharmacopeia | Yes |
| Particle size | 320 ± 50 mg/20 chips |
| Pellet Shape | Cylindrical |

Some of the values displayed above may have been converted from their original units and/or rounded in order to display the information in a consistent format. Users requiring more precise data for scientific or engineering calculations can click on the property value to see the original value as well as raw conversions to equivalent units. We advise that you only use the original value or one of its raw conversions in your calculations to minimize rounding error. We also ask that you refer to MatWeb's [terms of use](#) regarding this information. [Click here](#) to view all the property values for this datasheet as they were originally entered into MatWeb.