



Specialty Polyesters Solutions

SELENIS BONDZ BO 035

Selenis Bondz BO 035 is a copolyester specifically designed for sealing layers in BOPET films. Selenis has developed this bonding solution to consistently deliver excellent melt strength and exceptional heat-sealing performance. This product is formulated to provide and sustain the adhesion level crucial to the packaging integrity through the different processes of manufacturing, securing full protection of the final product.

Selenis Bondz BO 035 greatly improves your converting steps, such as laminating, metalizing and printing.

Selenis Bondz BO 035 is a crystallised copolyester resin that is easy to process even on single-screw extruders. **Selenis Bondz BO 035** must be dried at the same temperatures as crystalline polyesters.

Specifications

This table contains **Selenis Bondz BO 035** characteristics and their methods of analysis. Some properties are subject to limits; others are presented with their typical values. Small variations of the typical values do not affect the application performance of the polymer.

All properties are measured under laboratory conditions by the analytical method shown. Limits in these specifications are applicable only to data obtained by the referenced test methods. Different methods or conditions of analysis may give rise to different values. A Certificate of Analysis, with representative average values of certain properties, can be sent to the customer when requested.

Typical Properties

| Properties | Test Methods | Units | Values |
|-------------------------------------|--------------|-------------------|-------------|
| Intrinsic Viscosity | ISO 1628-5 | dl/g | 0.86 ± 0.02 |
| Color b* | ASTM D6290 | | ≤ 0 |
| L* | | ≥ 85 | |
| Acetaldehyde | ASTM F2013 | ppm | ≤ 1 |
| Melting Point | ASTM D3418 | °C | 225 - 235 |
| Crystallinity | ASTM D1505 | % | ≥ 48 |
| Specific Density Crystalline | | g/cm ³ | > 1.39 |
| Bulk Density | | g/cm ³ | 0.84 |
| Moisture | | % | ≤ 0.2 |
| Particle size | | mg/20 chips | 320 ± 50 |
| Pellet Shape | | | Cylindrical |
| Food Approval Pharmacopeia | | | YES |

This resin complies with the compositional requirements of the European Regulation Nr 10/2011 on Plastic Food Contact Materials (Repeals 2002/72/EC plastics including 6 amendments).

Storage and Handling Conditions

Selenis Bondz BO 035 is an inert material in storage and no hazards are likely to arise; however the polymer should be stored in an area properly protected from risk of fire.

Selenis Bondz BO 035 should be stored in the original container, tightly closed in a dry, cool and well-ventilated place. Avoid direct light contact if the container is stored indoors.

Processing

In order to obtain maximum product performance, **Selenis Bondz BO 035** should be dried to achieve a moisture level below 0.004 % (40 ppm) before processing. Typical drying requirements include a dehumidifying air hopper dryer with regenerative desiccant beds, -40°C dew point air, 150°C drying temperature, and a residence time between 4-6 hours, with no temperature ramp.

Typical processing temperatures are between 265 – 275°C and should be chosen in function of the needs of the transformation technology.

Warranty

The seller only warrants that the product complies with the specifications and is free from defects. Clients should perform their own assessment to determine if the product is suitable for a particular purpose.

Health and Safety Consideration

Read and follow all information presented in the Safety Data Sheet (SDS) for this product.

Recycling

Polyethylene Terephthalate Products are 100% recycled and carries the recycle code of "1". Production rejections, and/or conversion waste should be recycled if possible.

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