

SELENIS STRAPIO ST 800

The **Selenis Strapio ST 800** is a polymer specifically suited for extrusion of monofilaments. The high viscosity of **Selenis Strapio ST 800** delivers outstanding mechanical properties.

Filaments produced from **Selenis Strapio ST 800** stretch less and absorb less water and humidity than polyamide monofilaments.

Selenis Strapio ST 800 exhibits excellent chemical and oil resistance, as well as endurance to adverse weather conditions. This polyester resin is available with different viscosities ranging from 0.75 to 0.82.

Specifications

This table contains **Selenis Strapio ST 800** 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	0.75 ± 0.02 0.82 ± 0.02
Color b* L*	ASTM D6290		≤ 1 ≥ 85
Acetaldehyde	ASTM F2013	ppm	≤ 1
Melting Point	ASTM D3418	°C	248 - 258
Crystallinity	ASTM D1505	%	≥ 50
Moisture		%	≤ 0.2
Particle size		mg/20 chips	380 ± 50
Pellet Shape			Cylindrical
Food Approval			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 Strapio ST 800 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 Strapio ST 800 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 Strapio ST 800** 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, 175°C drying temperature, and a residence time between 4-6 hours, with no temperature ramp.

Typical processing temperatures are between 285 – 295°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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