

Stellar HSL-1150-P

Universal solvent-based, flexible heat-seal sealing lacquer, developed for liquid and dry food packaging – HSL 1150-P can be applied directly in a one-step process by rotogravure or roller coating onto ALU, PET, and PAPER foils. It provides sealing for ALU, APET and, PS cups used for water, soft drinks and dairy products. It is also suitable for the packaging of dry foods such as chocolate, cake, and biscuits etc.

Product Description

Stellar HSL-1150-P is a solvent-based, sealing, heat-seal lacquer formulated with special combination of polymers and additives. The product can be directly applied in a one-step coating process onto ALU, PET, and PAPER foil surfaces, and provides sealing on APET and PS cups, making it suitable for versatile use in liquid and dry food packaging.

Appearance:	White Liquid
Active substance:	30-35 %
Specific gravity:	0,95 g/ml 20°C
Viscosity:	30 sec. (DIN 53211, 4mm)
Solvents:	Organic solvents, MEK, EA, Cyclohexan
Flash Point:	- 9°C

Application Information

Sealing on materials:	ALU, PET, PS, PLA
Application methods:	Rotogravure, roller coating, semi-flexo
Recommended coating weight:	3–7 g/m ² solids
Recommended viscosity:	15–25 seconds (DIN 53211, 4 mm)
Recommended thinner:	Ethyl acetate, MEK

Recommended drying temperature: In general, temperatures between 130–160°C for 5–10 seconds are sufficient. The relation between machine speed and temperature, the applied lacquer weight, drying zone temperature–time profile, evaporation concentration, airflow rate, and humidity must be strictly observed. Therefore, we recommend testing and measuring the residual solvent content.

Adhesion and Seal Strength Values

AL / APET	N/15 mm: 9	(Brugger-HSG C 200°C, 1 sec, 460N, tolerance ±2)
AL / PS	N/15 mm: 11	(Brugger-HSG C 200°C, 1 sec, 460N, tolerance ±2)
AL / AL	N/15 mm: 15	(Brugger-HSG C 200°C, 1 sec, 460N, tolerance ±2)
PET / PS	N/15 mm: 10	(Brugger-HSG C 200°C, 1 sec, 460N, tolerance ±2)

The values indicated above depend on the sealing temperature, and the values will decrease with lower temperatures

*Recommended for NC-coated paper surfaces.

Hygienic instructions and Compliance

The hygienic properties of Stellar HSL-1150-P lacquer have been defined in accordance with Regulation (EC) No. 1935/2004 of the European Parliament and Council on materials and articles intended to come into contact with food, and Commission Regulation (EU) No. 10/2011 on plastic materials and articles intended to come into contact with food.

Safety instructions

It is a highly flammable liquid product with the risk of ignition and explosion of vapors. Protect from open flame, electrical discharges, reducing and oxidizing agents, etc. The substance irritates eyes, mucous membranes, and respiratory tract. Additional information can be found in the safety data sheets and conformity declarations.

Disposal

Must be disposed of in accordance with regulatory requirements for special waste disposal. Appropriate disposal method according to EU Waste Framework Directive (2008/98/EC): D 10 Incineration on Land. See safety data sheet.

Storage and consumption

HSL-1150-P is flammable and explosive; it must be stored in strict accordance with official regulations. Store in a cool, frost-free location. Protect from sunlight and temperatures above 30°C. Keep out of reach of children. The storage period is 6 months if the original packaging remains unopened. Products stored for longer periods must be tested before use. Before taken into production must be thoroughly mixed with a dissolver.

Delivery package

Metall Hobbock:	30 Kg
IBC Containers:	950 Kg



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