

Stellar HSL-1130

Solvent-based, flexible heat-sealing lacquer, developed for dry and solid food packaging. HSL 1130 can be directly applied in a single step via rotogravure or roller coating on ALU, PET, PAPER foils. It can be safely used in the packaging of chocolates, biscuits, cakes, confectionery, and cheese products. The product has low-temperature sealing properties starting at 140 °C. HSL-1130 is very good suitable for Coffee capsules.

Product description, components:

Stellar HSL-1130 is a solvent-based, heat-sealing lacquer made from special thermoplastic polymers and additives. The product is a sealing adhesive that can be directly applied in a single step on ALU surfaces and can be used for various purposes in dry food packaging.

Appearance:	Milky, cloudy
Solid content:	30-35 %
Specific gravity:	0,92 g/ml
Viscosity:	30 sec. (DIN 53211, 4mm)
Solvents:	Methylethylketon, Ethylacetate, Cyclohexane
Flash point	- 10°C

Usage and application:

Suitable Packaging Materials:	AL, PAPER, PET
Application Methods:	Rotogravure, Roller Coating, Semi-Flexo
Recommended Application Amount:	2-5 g/m ² (based on dry matter)
Recommended Viscosity:	15-25 seconds (DIN 53211, 4mm)
Recommended Thinner:	Ethyl acetate
Recommended Drying Temperature:	In general, temperatures between 110-160°C for 3-7 seconds should be sufficient. The relationship between machine speed and temperature should be adjusted based on factors such as the amount of applied varnish, the temperature-time profile of the drying zones, evaporation concentration, air flow rate, and humidity. Therefore, we recommend testing and measuring the residual solvent content.

Sealing properties:

AL / AL	N/15mm	15	Brugger-HSG C 200°C 1second 460N Tolerance +-2
AL / PAP	N/15mm	10	Brugger-HSG C 200°C 1second 460N Tolerance +-2*--NC Coated
AL / APET	N/15mm	7	Brugger-HSG C 200°C 1second 460N Tolerance +-2

The values indicated above depend on the sealing temperature, and the values will decrease with lower temperatures. HSL-1130 is heat sealable between 140°C – 200°C. Internal trials are recommended.

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Hygienic instructions

The hygienic properties of the lacquer comply with the legal requirements of Regulation (EC) No. 1935/2004 of the European Parliament and of the Council on materials and articles intended to come into contact with food, as well as Commission Regulation (EU) No. 10/2011 on plastic materials and articles intended to come into contact with food.

Safety instructions

HSL- 1130 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-1130 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
Steel Drum:	180 Kg
IBC Containers:	950 Kg



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