

# Technical Information

## Optal LP 20-24

**van Asperen**  
KLEEFSTOFFEN

**Type of adhesive** resin based synthetic adhesive

**Field of application** Labeling of plastic surfaces such as PET, PVC and PS, specially for non-refillable or recyclable PET-bottles. Also suitable for labeling of coated/overcoated glass bottles as well as for tins and cans. Please check final bond strength thoroughly before permanent use.

### Product specifications

**Viscosity** 60.000 - 110.000 mPa.s  
**pH-value** 8,0 ± 1,0

### Test method

Physica Z4, D=20/s, 20 °C  
DIN 53785

Optal LP 20-24 is currently undergoing practical tests and still at an experimental stage. Technical data may change.

### Product properties

Optal LP 20-24 is an adhesive for labeling of plastics such as PET, PVC and PS as well as glass and metal tin surfaces. The glue is characterised by a very high wet tack, clean machinability, condensationwater resistance as well as a high setting speed. The dried adhesive film is soluble in hot caustic soda solution (0,5-3,0 %), therefore label removal is possible in common bottle washing machines. The preferred concentration of the caustic soda solution ranges from 2,0-3,0 %. Optal LP 20-24 is also suitable for recycling processes where paper-labels have to be removed residual-free prior to further use of the PET.

### Processing

**Application** autom. labeling machines working with rotation- or straight feed principle

**Temperature** The optimum working temperature ranges is from 24 to 28 °C

**Dilution** Optal LP 20-24 is ready for use and should not be diluted.

**Cleaning** Uncured adhesive residues can easily be removed with water. Wetting agents accelerate the cleaning process.

**Disposal** see Safety Data Sheet

**Security advices** see Safety Data Sheet

**Shelf life** In closed original packaging 6 months.

**Storage conditions** optimum storage temperature: 15 – 25 °C, protect from frost. After use close packaging thoroughly.

The information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation, except for cases where we are liable of gross negligence or false intention.  
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