

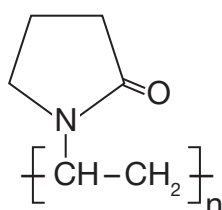
# Luvitec® K Products

Adhesive Raw Materials



## Chemical nature

Polyvinylpyrrolidone (PVP)



## Technical data

	K value* (1 % in water <sup>0</sup> )	Solids content in %*	Brookfield- Viscosity in mPa·s at 23 °C/ in water in %*	pH value of a 10 % aqueous solution*	Residual NVP in ppm*
LUVITEC K 30 powder	27.0–33.0	95.0–100.0		3.0–7.0	≤ 100
LUVITEC K 30 solution approx. 30 %	27.0–33.0	29.0– 31.0		4.0–8.0	≤ 100
LUVITEC K 60 solution approx. 35 %	52.0–62.0	34.0– 36.0		7.0–9.0	≤ 300
LUVITEC K 80 powder	74.0–82.0	95.0–100.0	2500– 7000/20 <sup>1</sup>	5.0–8.0	≤ 100
LUVITEC K 85 powder	84.0–88.0	95.0–100.0	5000–20000/20 <sup>2</sup>	5.0–9.0	≤ 100
LUVITEC K 85 CQ solution approx. 20 % <sup>5</sup>	83.0–88.0	19.0– 21.0	5000–15000/20 <sup>3</sup>	7.0–9.0	≤ 100
LUVITEC K 90 powder	88.0–92.0	95.0–100.0	10000–25000/20 <sup>2</sup>	5.0–9.0	≤ 100
LUVITEC K 90 HM powder	92.0–96.0	95.0–100.0	15000–30000/20 <sup>2</sup>	5.0–9.0	≤ 100
LUVITEC K 90 powder S	88.0–96.0	95.0–100.0	10000–30000/20 <sup>2</sup>	5.0–9.0	≤ 100
LUVITEC K 90 CQ solution approx. 10 % <sup>5</sup>	90.0–98.0	9.5– 10.5	300– 1500/10 <sup>4</sup>	7.0–9.0	≤ 50
LUVITEC K 90 solution approx. 20 %	90.0–98.0	19.0– 21.0	10000–40000/20 <sup>2</sup>	7.0–9.0	≤ 100

\* all data are approx. values. It does not necessarily form part of the product specification.

A detailed product specification is available from our local BASF representative.

<sup>1</sup> spindle 6/100 rpm

<sup>2</sup> spindle 7/100 rpm

<sup>3</sup> spindle 6/50 rpm

<sup>4</sup> spindle 4/100 rpm

<sup>5</sup> Preserved with Cosmocil™ CQ

For all of the LUVITEC K products given above, the ash content is ≤ 0.02 %. These values (ash content) refer to the 100 % strength product.

## Appearance

The aqueous solutions are clear and colorless to slightly yellowish.  
The powder products are white.

## Odor

Slight characteristic odor

## Storage/Shelf life

The viscosity of aqueous solutions with a pH value over 6 can increase during prolonged storage at elevated temperatures.

Acidic solutions with a concentration below 30 % tend to grow mould during storage.

This can be prevented by adding a preservative, e.g. polyhexamethylenebiguanide hydrochloride (PHBH). We do not recommend the use of preservatives that react with compounds, which contains OH- or NH-groups.

### Powder

LUVITEC K 30, LUVITEC K 80,  
LUVITEC K 85, LUVITEC K 90,  
LUVITEC K 90 HM, LUVITEC K 90 S  
powder have a shelf life of at least three years in the unopened original packaging between 10–25 °C.

### Aqueous solution

LUVITEC K 30, LUVITEC K 60,  
LUVITEC K 85 CQ,  
LUVITEC K 90 and LUVITEC K 90 CQ  
solutions have a shelf life of at least two years in the unopened original packaging between 10 – 25 °C.

## Applications

### Glue sticks

Adhesion, water solubility, non toxic  
LUVITEC K 85, K 90, K 90 HM

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