



## DANPOL® PES-800-L

### DESCRIPTION

DANPOL® PES-800-L is a linear, saturated, high molecular polyester which is solvated in approx. 37% in organic solvents. These partially crystalline polyester type is used as basic raw material by the production of coil-coating-lacquers, for lamination adhesives for the lamination of films. It is also needed for the processing of synthetic lacquers.

### PRODUCT CHARACTERISTIC

	Values	Method
Aspect	Transparent to light yellow liquid	
Viscosity (25 °C)	1.500 to 2.000 mPa.s	Brookfield RVT
Solidity	36,0 to 38,0%	ASTM D 4209-82
Density	1,03 g/cm <sup>3</sup> at 20 °C	DIN 53.479
Hydroxyl value (mg KOH/g)	2	
Moisture content	< 0,15 %	
Acid value (mg KOH/g)	2	
Melting point (solid film)	85 – 90 °C	KOFLER
Colour standard number (Gardener)	3	DIN 6.162
Stock point	approx. 5 °C	
Tg (glass transition temperature) DSC-Heating	+5,5 °C (Film)	
Tg (glass transition temperature) DSC-Cooling	-4,0 °C (Film)	
Flash point	-3 °C	
VbF	A 1	
Solubility / dilution ability	Soluble and diluted in ketones, ester and halogenate hydro carbon	

### APPLICATION

DANPOL® PES-800-L is applied by the production of coil-coatings-, lacquers- and plastic coatings. An additional field is the application as lamination adhesive by the lamination of films and foils. DANPOL® PES-800-L is used for textile lamination and impart for adhesives. Further, release lacquer coatings, high elastic CC-primer and gravure printing lacquers are being produced with DANPOL® PES-800-L.

### PROCESSING

DANPOL® PES-800-L is diluted and modified with common dissolvers and industrial mixers. As a linking agent we recommend the isocyanate hardeners of the DANCURE® 246 range.



## COMPATIBILITY

Mixtures with other polyester types are possible, under the consideration of the chemical structures and the solvents being used, in all proportions. A few mixtures will turn cloudy.

## STORAGE

If stored cool and dry in its original packaging the storage times of the product is at least 6 months.

## PRODUCT SAFETY

DANPOL® PES-800-L is under normal hygienic processing conditions a harmless material. If bigger volumes are being processed by spray units or sprinkle units, vapor extraction must be ensured.

\* For further data, please refer to our Safety Data Sheet.

## PHYSIOLOGICAL CHARACTERISTICS

DANPOL® PES-800-L can be used for the adhesion of food packaging acc. to the recommendation of the BGVV (Bundesgesundheitsamt) and FDA (FOOD and DRUG ADMINISTRATION). The rules and recommendations must be followed.

## PACKAGING

200 kg metal drums, 4 drums per EUR pallet.



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