



## DANPOL<sup>®</sup> PES-710

### DESCRIPTION

DANPOL<sup>®</sup> PES-710 is a saturated, linear and amorphous copolyester. This high molecular weight copolyester has a molecular weight of approx. 15,000 mol. As a copolyester containing hydroxyl groups, the product is suitable for 1- and 2-component applications. DANPOL<sup>®</sup> PES-710 has very good adhesion to metals and to various textile and plastic materials. Films of DANPOL<sup>®</sup> PES-710 are very elastic and have good water resistance. At adhesive applications, DANPOL<sup>®</sup> PES-710 is characterized by excellent green tack and a long open time. DANPOL<sup>®</sup> PES-710 is preferably used for:

- Metal coatings, also with with food contact
- Deep-drawable coil, strip and metal coatings
- Can coatings
- As a heat seal adhesive
- Textile adhesives and technical adhesives for different applications

### PRODUCT CHARACTERISTIC

	Values	Method
Type	Saturated, linear / amorphous copolyester	
Appearance	Granule, solid	
Colour	Transparent, milky	
Odour	None	
Softening range	130 °C	Kofler
Glass transition temperature	30 – 35 °C	DSC
Solid content	100%	
Viscosity	n.a.	
Density at 20°C	1,20 g/cm <sup>3</sup>	
Hydroxyl number	< 6 mg KOH/g	
Acid number	< 2 mg KOH/g	



## SOLUBILITY

Ethyl Acetate	S	
Acetone	S	
Butyl Alcohol	S	
Ethyl Alcohol	I	
Benzol	S	
Cyclohexanone	S	
Chloroform	I	
Aliphatic Hydrocarbons	S	
Carbon Tetrachloride	S	
MEK	S	
Toluene	S	
Trichloroethane	S	
Trichloroethylene	S	

S = soluble; I = insoluble; M = melting; SH = soluble with heating only

## APPLICATION

DANPOL® PES-710 is used as a basic raw material mainly for the production of lacquers for metal coating, for adhesives, primers and bonding agents. Lacquers can be dissolved in different solvents. DANPOL® PES-710 can also be applied by melt processing. This product is especially recommended for lacquers for metal decoration applications, tin lacquers containers and lacquers on plastic surfaces. DANPOL® PES-710 is also well suited for the production of primers, bonding agents and printing inks.

## PROCESSING

DANPOL® PES-710 can be easily dissolved in different solvents. It can be used to produce low-viscosity and high-viscosity primers/coatings/lacquers.

## COMPATIBILITY

DANPOL® PES-710 is well compatible with other copolyesters of the DANPOL® PES range. To modify coatings and lacquers, DANPOL® PES-710 can be modified by adding various natural and synthetic resins.

## STORAGE

If correctly stored in a dry place at room temperature (below 30 °C) and in its original packing, this product can be stored at least 12 months.



## PRODUCT SAFETY

Under normal hygienic working conditions, DANPOL® PES-710 is a largely non-dangerous material.

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

## WASTE CLASSIFICATION

Under the D.P.R. 915/82 regulation, DANPOL® PES-710 packed in the original container, up until destruction, is classified as special waste. Dilution with ethyl acetate does not change this classification.

## PHYSIOLOGICAL CHARACTERISTICS

According to recommendations of the BGA (Bundesgesundheitsamt) and FDA (FOOD and DRUG ADMINISTRATION) DANPOL® PES-710 may be used for the bonding of food packaging when protected by a functional barrier film. It is important to observe the conditions mentioned in the recommendations.


## PACKAGING


500 kg and/or 1.000 kg pallets/25 kg bags. Alternatively, the product can also be delivered in 500 kg BigBags.



**DANQUINSA**  
GMBH

STÖRRENSTR.30  
72135 DETTENHAUSEN  
GERMANY

: +49 (0)7157 5225-0

: +49 (0)7157 5225-22

: [info@danquinsa.com](mailto:info@danquinsa.com)

[WWW.DANQUINSA.COM](http://WWW.DANQUINSA.COM)

Post office box 147  
72133 DETTENHAUSEN  
GERMANY

STAND 04/2023