



## DANMELTTHANE<sup>®</sup> PES-700

### DESCRIPTION

DANMELTTHANE<sup>®</sup> PES-700 is a linear, saturated, high molecular, solvent free polyester. This partly crystalline polyester type is applied as a basic raw material by the production of reactive hot melt adhesives, for lamination adhesives and for the lamination of foils. DANMELTTHANE<sup>®</sup> PES-700 is also suitable for the processing of thermoplastic PUR granules and lacquers.

### PRODUCT CHARACTERISTIC

	Values	Method
Aspect	Transparent to slightly yellow solid material	
Melting viscosity	15.000 mPa.s. at 230 °C	Brookfield RVF
Melt Flow Index (MFI)	180 °C / 10 min.: 200 g +/- 5 g	
Density	1,20 g/cm <sup>3</sup> at 20 °C	DIN 53.479
Molecular weight	25.000 to 27.000 g/mol	DIN 53735
OH number	2 mg KOH/g	
Water content	< 0,1 %	
Acid value	< 2 mg KOH/g	
Melting point	85 – 90 °C	KOFLER
Colour standard number	3	DIN 6162
Thickening point	Approx. 40 °C	
Tg (Glass transition temperature) DSC	- 17 ± 2° C	
Tg (Glass transition zone) DSC-Heating	5,5 °C	
Tg (Glass transition zone) DSC-Cooling	- 4 °C	
Flash point	230 °C	
Solubility	Soluble in ketones, ester and halogenate hydro carbon	

### APPLICATION

DANMELTTHANE<sup>®</sup> PES-700 is used by the processing of reactive polyurethane hot melt adhesives. A further application field is the production of hot melt adhesives or solvent containing adhesives needed by the laminations of foils. DANMELTTHANE<sup>®</sup> PES-700 molten and/or dissolved is applied for the lamination of textiles or as an equipment for adhesives. For the lamination of textiles and the equipment of adhesives we recommend the application by hot spray lamination. Further produced are release lacquer coatings, high elastic CC-Primer and roto grave gravure lacquer.



## PROCESSING

DANMELTTHANE® PES-700 must be melted before it can be taken out of the drums. This melting process can be made in drum melt equipment or in hot air ovens.

## COMPATIBILITY

Mixtures with other polyester types are possible in all ratio under the consideration of the relevant chemical structures, but a few blends may give cloudy melts.

## STORAGE

If stored cool and dry in its original packaging the storage times of the product is at least 6 months. The product has to be protected against humidity.

## PRODUCT SAFETY

DANMELTTHANE® PES-700 is under normal hygienic processing conditions a harmless material. If larger quantities are being processed in the melt, vapour extraction must be ensured.

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

## PHYSIOLOGICAL CHARACTERISTICS

DANMELTTHANE® PES-700 is released for the adhesion of food wrappings according to the recommendation of the BGA (Bundesgesundheitsamt) and FDA (FOOD and DRUG-ADMINISTRATION) for the application and production of food- and implements. The rules and recommendations must be adhered to.

## PACKAGING


200 kg drums.




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