



DANMELTTHANE® PES-537-AE

DESCRIPTION

DANMELTTHANE® PES-537-AE 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 at 25 °C	1.500 to 2.000 mPa.s.	Brookfield RVT
Solidity	36 - 38 %	ASTM D 4209-82
Density	1,03 g/cm ³ 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 °C	Film
Flash point	3 °C	
VbF	A1	
Solubility/dilution ability	Soluble and diluted in ketones, ester and halogenate hydrocarbon	

APPLICATION

DANMELTTHANE® PES-537-AE is applied by the production of coil coatings, lacquers and plastic coatings. An additional field is the appliance as lamination adhesive by the lamination of films and foils. DANMELTTHANE® PES-537-AE is used for textile lamination and impart for adhesives. Furthermore, release lacquer coatings, high elastic CC-primer and gravure printing lacquers are being produced with DANMELTTHANE® PES-537-AE.

PROCESSING

DANMELTTHANE® PES-537-AE is diluted and modified with common solvents and industrial mixers. As a cross 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. The product has to be protected against humidity.

PRODUCT SAFETY

DANMELTTHANE® PES-537-AE is under normal hygienic processing conditions a harmless material. If bigger volumes are being processed by spray units or sprinkle units, vapour extraction must be ensured.

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

PHYSIOLOGICAL CHARACTERISTICS

DANMELTTHANE® PES-537-AE 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.



DANQUINSA
GMBH

STÖRRENSTR.30
72135 DETTENHAUSEN
GERMANY

Post office box 147
72133 DETTENHAUSEN
GERMANY

 : +49 (0)7157 5225-0

 : +49 (0)7157 5225-22

 : info@danquinsa.com

WWW.DANQUINSA.COM

STAND 08/2022