

## DANPOL PES-955

### DESCRIPTION

DANPOL PES-955 is a saturated, linear, semi-crystalline copolyester.  
This Co-PES shows very high elasticity and is based on 40% renewable raw materials.

Applications include: lamination (direct extrusion), adhesive powders, and adhesive films.

### PRODUCT CHARACTERISTIC

	Values	Method
Type	Saturated, linear copolyester	
Aspect/supply form	Granule	
Melting point (DSC)	122 – 134 °C	DIN 53765
Glass transition temperature (DSC)	Ca. 5 °C	DIN 53765
Melt Flow Rate (MFR)	20 g/10min (160°C/2.16kg)	DIN ISO 1133
Softening point	138 – 140 °C	R & B
Viscosity number	90 cm <sup>3</sup> /g	DIN 53728
Viscosity	330 Pa.s	Brookfield at 160 °C
Density	1,2 g/cm <sup>3</sup>	ISO 1183
Open time	Ca. 10 sec.	
Elongation at break	800 %	ISO 527-2/5A/500
Tensile strength	25 N/mm <sup>2</sup>	ISO 527-2/5A/500

### APPLICATION

DANPOL PES-955 is a thermoplastic co-polyester hot melt adhesive for textiles, textile lamination, interior design, the automotive industry, and the apparel industry. It is typically processed by direct or indirect extrusion. DANPOL PES-955 can also be processed into films, webs, or powders.

### PROCESSING

DANPOL PES-955 can be easily processed using classical hot-melt processing systems or extrusion coating systems. For solvent-based coatings, DANPOL PES-955 is dissolved. Aromatic solvents such as toluene, chlorinated solvents, as well as THF (tetrahydrofuran), MEK (methyl ethyl ketone), DMF (dimethylformamide), and NMP (n-methylpyrrolidone) are particularly suitable. Due to current legislation, the product is typically dissolved in a toluene/MEK mixture.



## COMPATIBILITY

DANPOL PES-955 is good compatible with the other copolyesters of the DANPOL range. For the production of special hot-melts also an addition of different, natural and synthetic resins is possible.

## STORAGE

To maintain an optimal product quality, DANPOL PES-955 should be stored in a sealed container for a maximum of 12 months. Cool, dry storage conditions are recommended. Protect from sunlight and moisture.

## PRODUCT SAFETY

Under normal hygienic working conditions, DANPOL PES-955 is a largely non-dangerous material. Please note, that polyester granulates might cause an electrostatic spark emission. If larger quantities of DANPOL PES-955 are processed in the hot-melt, a good extraction of the melt fumes must be ensured.

For further data, please refer to our Safety Data Sheet

## PACKAGING

25 kg bags, 500 kg and 1.000 kg bigbags.



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