



DANPOL PES-930

DESCRIPTION

DANPOL PES-930 is a saturated, linear, highly crystalline copolyester in form of granules. This copolyester is an optimal adhesive raw material for the application as hot-melt or solved in organic solvents. The granules of DANPOL PES-930 can be grinded to powder for powder hot-melt coatings.

PRODUCT CHARACTERISTIC

	Values	Method
Type	Saturated, linear copolyester	
Aspect/supply form	Granules	
Specific weight	1,30 g/cm ³	DIN 53.479
Melting viscosity	20.000 mPa.s 9.000 mPa.s	BROOKFIELD Thermosel at 180 °C BROOKFIELD Thermosel at 232 °C
Softening range	140 °C	R&B
Melting range	145 °C	DSC, DIN 53.765
Melt Flow Rate (MFR) 160°C	200 g/10min	
Hydroxyl number	3 – 5 mg KOH/g	
Acid number	< 3 mg KOH/g	
Open time	10 – 13 sec.	
Recrystallisation time	2 sec.	
Elongation break	500 %	

APPLICATION

DANPOL PES-930 is an optimal raw material for the production of hot-melts and melt coatings. DANPOL PES-930 will be solved for special primers that have a very good adhesion on plastics and metals. Such primers are very good suitable for applications at PVC, PET, ABS, aluminum, copper sheets, paper, cardboards, polyester and polyamide textiles, dry and fat leathers, as well as on a lot of textile fibres and filaments. In organic solvents dissolved primers are optimal coatings of PVC and metal profiles, which will be later coated with plastic decorative films made of PVC or other materials.

PROCESSING

DANPOL PES-930 can be good processed on classical hot-melt processing machines or by means of extrusion coating machines. Optimal is always a process, where the granule is pre-plasticized through an extruder. If DANPOL PES-930 will be solved, the following aromatic solvents are very good suitable: Toluol, chlorinated solvents, THF (tetrahydrofuran), MEK (methyl ethyl ketone), DMF (dimethylformamide) and NMP (N-methyl pyrrolidone). Because of the new legislation, the product is mainly dissolved in a mixture of toluol/MEK.



COMPATIBILITY

DANPOL PES-930 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

If correctly stored in a dry place at room temperature and in its original packing, this product can be stored 6 months at least. A humid product can lead to embrittlement of the adhesive film during the later adhesive processing.

PRODUCT SAFETY

Under normal hygienic working conditions, DANPOL PES-930 is a largely non-dangerous material. Please note, that polyester granulates might cause an electrostatic spark emission. If larger quantities of DANPOL PES-930 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

PHYSIOLOGICAL CHARACTERISTICS

According to recommendations of the BGA (Bundesgesundheitsamt) and FDA (FOOD and DRUG ADMINISTRATION) DANPOL PES-930 may be used for the bonding of food packaging. It is important to observe the conditions mentioned in the recommendations.

PACKAGING

500 kg pallets with 25 kg bags. Alternatively, the product could also be delivered in 500 kg bigbags.



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