



DANMELTTHANE[®] PES-600-G

DESCRIPTION

DANMELTTHANE[®] PES-600-G is a hot melt adhesive based on polyester. The shoe industry uses this hot melt adhesive in order to pinch the front toe puffs of the shoes. It is used for the melt coating of shoe toe caps and textiles. DANMELTTHANE[®] PES-600-G is suitable for the thermoplastic bonding of synthetics, textiles, leather and many other materials. The melt of DANMELTTHANE[®] PES-600-G is also appropriate for the casting of plug connections in the electric and electronic industry as well as for the motor vehicle filter bonding.

PRODUCT CHARACTERISTIC

	Values	Method
Type	Thermoplastic polyester	
Aspect/supply form	Granulate	
Melting viscosity	20.000 - 30.000 mPa.s. at 232 °C	BROOKFIELD RVT
Melting point	180 ± 2 °C	
Processing temperature	240 – 260 °C	
Specific weight	1,26 g/cm ³	
Tensile strength	21 N/mm ² at 23 °C / 10 N/m ²	
Elongation at break	220 %	

APPLICATION

DANMELTTHANE[®] PES-600-G is a highly elastic and very fast curing polyester hot melt for the following applications:

- Coating of shoe stiffening materials
- Hot melt adhesive coatings of textile and webs
- Hot melt laminating adhesives
- Pinching cements for the shoe production
- Hot melt adhesives for automatic and industrial filters
- Sealants
- Packaging adhesives
- Crystallization additive for reactive hot melts

PROCESSING

To process DANMELTTHANE[®] PES-600-G it is possible on all common front toe puff automatic machines, melting devices and melting extruders. The stability of DANMELTTHANE[®] PES-600-G in the melt is excellent. There is no danger of an oxidative damage by oxygen if the usual processing time and processing temperature are adhered to.

COMPATIBILITY

DANMELTTHANE[®] PES-600-G can be mixed with any common polyester hot melt adhesive of the DANMELTTHANE[®] PES-line and in any proportion. Under certain conditions, blends with thermoplastic polyurethane and polycaprolactone raw materials (PEARLSTICK[®]) are possible. We recommend to make tests in advance.



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, DANMELTTHANE® PES-600-G is a largely non dangerous material. Please note that polyester granulates might cause an electrostatic spark emission. If larger quantities of DANMELTTHANE PES®-600-G 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) DANMELTTHANE® PES-600-G may be used for the bonding of food wrappings. It is important to observe the conditions mentioned in the recommendations.

PACKAGING

25 kg multi foil paper bags on 500 kg or 1.000 kg pallets.



DANQUINSA
GMBH

STÖRRENSTR.30
72135 DETTENHAUSEN
GERMANY

: +49 (0)7157 5225-0

: +49 (0)7157 5225-22

: info@danquinsa.com

WWW.DANQUINSA.COM

Post office box 147
72133 DETTENHAUSEN
GERMANY

STAND 08/2022