



## DANMELTTHANE® PA-140-G

### DESCRIPTION

DANMELTTHANE® PA-140-G is a hot melt adhesive based on polyamide. The shoe industry uses this hot melt adhesive for folding. It is used for the melt coating of shoe toe cap materials and textiles. DANMELTTHANE® PA-140-G is suitable for the thermoplastic bonding of synthetics, textiles, leather and many other materials. The melt of DANMELTTHANE® PA-140-G is also appropriate for the casting of plug connections in the electric and electronic industry.

### PRODUCT CHARACTERISTIC

	Values	Method
Type	Thermoplastic polyamide	
Aspect/Supply form	Granulate	
Melting viscosity	1.000 – 1.500 mPa.s. at 232 °C	BROOKFIELD RVT
Melting point	100 ± 5 °C	
Processing temperature	135 - 155 °C	
Specific weight	0,98 g/cm <sup>3</sup>	
Tensile strength	9 N/mm <sup>2</sup> at 23 °C / 10 N/m <sup>2</sup>	
Elongation at break	10 %	

### APPLICATION

DANMELTTHANE PA®-140-G is a hardly flexible and very fast curing polyamide hot melt for:

- Folding in the shoe production
- Pinching cements for the shoe production
- Coating of shoe toe cap materials
- Hot melt adhesive coating of textiles and web materials
- DO-IT-YOURSELF Adhesives
- Sealants
- Packaging adhesives

### PROCESSING

To process DANMELTTHANE® PA-140-G it is possible on all common folding melting machines, melting devices and melting extruders. The stability of DANMELTTHANE® PA-140-G in the melt is excellent. There is no danger of an oxidative damage by air oxygen if the usual processing time and processing temperature are adhered to.

### COMPATIBILITY

DANMELTTHANE® PA-140-G can be mixed with any common polyamide hot melt adhesive of the DANMELTTHANE® PA-line in any proportion. Under certain conditions, blends with thermoplastic polyurethane and polycaprolactone raw materials (PEARLSTICK®) are possible. We recommend to make preliminary tests.



## 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® PA-140-G is a largely non dangerous material. Please note that polyamide granulate might cause an electrostatic spark emission. If larger quantities of DANMELTTHANE® PA-140-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® PA-140-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.



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