



## DANMELTTHANE® PA-110-R

### DESCRIPTION

DANMELTTHANE® PA-110-R is a hot melt adhesive based on polyamide. The shoe industry uses this hot melt adhesive to pinch the side toe puffs of the shoes. It is used to produce melt tip stiffenings. DANMELTTHANE® PA-110-R is suitable for the thermoplastic bonding of synthetics, textiles, leather and many other materials. The melt of DANMELTTHANE® PA-110-R is also appropriate for the casting of plug connections in the electric and electronic industry.

### PRODUCT CHARACTERISTIC

	Values	Method
Type	Polyamide	
Aspect/Supply form	In rod form, on rolls	
Melting viscosity	3.000 - 4.000 mPa.s. at 232 °C	BROOKFIELD RVT
Melting point	165 ± 5 °C	
Processing temperature	190 - 200 °C	
Specific weight	0,98 g/cm <sup>3</sup>	
Tensile strength	13 N/mm <sup>2</sup> at 23 °C / 10 N/m <sup>2</sup>	
Elongation at break	550 %	

### APPLICATION

DANMELTTHANE® PA-110-R is a highly elastic and very fast curing polyamide hot melt for:

- Side toe puff adhesive for the shoe production
- Pinching cements for the shoe production
- Melt tip stiffenings
- Hot melt adhesive coating of textiles and web materials
- Hot melt laminating adhesives
- Sealants
- Packaging adhesives

### PROCESSING

To process DANMELTTHANE® PA-110-R it is possible on all common side toe puff automatic machines, melting devices and melting extruders. The stability of DANMELTTHANE® PA-110-R 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-110-R 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 tests in advance. The processing of the hot melt rods in the shoe industry can be made without any additional modification.



## 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-110-R is a largely non dangerous material. Please note that polyamide rods might cause an electrostatic spark emission. If larger quantities of DANMELTTHANE® PA-110-R 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-110-R may be used for the bonding of food wrappings. It is important to observe the conditions mentioned in the recommendations.

## PACKAGING


1,67 kg per roll.  
20 kg per box (= 22 kg gross weight).  
One box contains 12 rolls.  
Net weight of pallet: 800 kg; Gross weight of pallet 880 kg (= 40 boxes per pallet).




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