

## TECHNOMELT PUR 4688 ME

Known as Purmelt ME 4688

May 2017

### PRODUCT DESCRIPTION

TECHNOMELT PUR 4688 ME provides the following product characteristics:

<b>Technology</b>	PUR
Product Type	Hotmelt
<b>Application</b>	Lamination
Appearance	Blocks in aluminium laminated flexible packaging (Peelable Bag)

### Application Areas

- Lamination
- General assembly work
- Assembly bonding of wooden parts
- Gluing of textiles and plastics

### Product Properties

- Reactive hotmelt adhesive system based on polyurethane
- MicroEmission (ME) contains less than 0,1% isocyanate monomer
- MicroEmission (ME) reduces isocyanate vapors by up to 90%
- High initial strength
- Chemical cross-linking within few days
- Very high heat resistance (> 150 °C) and cold flexibility
- Excellent water resistance
- Resistant to most solvents

### Technical Data

#### TECHNOMELT PUR 4688 ME:

Softening Point, Ring & Ball, °C	~70
Viscosity, Brookfield - , 130 °C, mPa.s	~12,000
Heat Resistance, °C according to the Henkel method of increasing temperature	>150
Curing Time to final strength, days (depending on substrate)	2 to 5

### DIRECTIONS OF USE

#### Preliminary Statement

Prior to application it is necessary to read the **Material Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed. Please also refer to the local safety instructions and contact Henkel for analytical support.

#### Instructions for Use

##### Working Conditions

Recommended working temperature:	
in the melting container, °C	110 to 140
at the application roller, °C	120 to 140

Recommended application amount (depending on substrate) g/m <sup>2</sup> :	70 to 150
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Recommended room temperature, °C	18 to 35
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Recommended humidity, %	30 to 60
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#### Cleaning

Flushing the system with TECHNOMELT PUR CLEANER 4 periodically or prior to changing to an alternative reactive hot melt will reduce internal build-up of adhesive residue. Application devices such as wheels and rolls that expose reactive adhesive to the air should be thoroughly flushed at the end of a production run or at anytime when there is build-up and gelling. We recommend for the cleaning of the application equipments TECHNOMELT PUR CLEANER ME or TECHNOMELT PUR CLEANER ALL-IN-1. When working with the cleaning agents safety instructions must be considered. Follow also strictly the instructions of the machine manufacturer.

#### Safety

The product contains remaining quantities of monomer diphenylmethanediisocyanate (MDI), which, within the range of the recommended working temperature, has a detectable vapour pressure. Aside hazardous decomposition products may be formed in the application unit. To secure that the MAK of the MDI (0,005 ppm) is under-run, measures to draw off the vapours need to be taken, e.g. through the provision of extraction equipment, (MAK=TLV: threshold limit value for workplace concentration). In case of skin contact with the hotmelt, do not try to remove the adhesive from the skin by force. Consult medical assistance. Observe the material safety data sheet.

**STORAGE**

Store in the original tightly closed container in a cool, dry place.

**Shelf life**

Shelf-life (in unopened original packaging), months 12  
(2 kg container for up to 9 months)

**Classification:**

Please refer to the corresponding **safety data sheets** for details on:

**Hazardous Information**

**Transport Regulations**

**Safety Regulations**

**ADDITIONAL INFORMATION****Disclaimer****Note:**

The information provided in this Technical Data Sheet (TDS) including the recommendations for use and application of the product are based on our knowledge and experience of the product as at the date of this TDS. The product can have a variety of different applications as well as differing application and working conditions in your environment that are beyond our control. Henkel is, therefore, not liable for the suitability of our product for the production processes and conditions in respect of which you use them, as well as the intended applications and results. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product.

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