

# TECHNOMELT PUR 4661

January 2015

**PRODUCT DESCRIPTION**

TECHNOMELT PUR 4661 provides the following product characteristics:

<b>Technology</b>	Polyurethane
<b>Product Type</b>	Hotmelt
<b>Application</b>	Lamination Assembly
<b>Appearance</b>	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
- High initial strength
- Chemical cross-linking within few days
- Bond joint turns into a thermoset
- Very high heat resistance (> 150 °C) and cold flexibility
- Excellent water resistance
- Excellent adhesion to metal

**Technical Data****TECHNOMELT PUR 4661:****Typical Properties**

Viscosity, Brookfield -, 130 °C, mPa.s	~8,500
Curing Time to final strength, days (depending on substrate)	2 to 5
Heat Resistance, °C according to the Henkel method of increasing temperature	>150

**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 Temperature**

Recommended working temperature:	
in the melting container, °C	120 to 140
at the application roller, °C	120 to 140
Recommended application amount (depending on substrate) g/m <sup>2</sup> :	50 to 400

Since the product will cure when it is exposed to moisture, storage and application must be done under dry conditions. For this reason, the product is delivered in airtight containers.

**Cleaning**

Cleaning the system 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 with TECHNOMELT PUR CLEANER 3 at the end of a production run or at anytime when there is build-up and gelling. For cleaning the melting unit with TECHNOMELT PUR CLEANER 4 is recommended. Cured PUR hot melt can only be removed by softening with an appropriate solvent such as N-ethyl-pyrrolidone (NEP) and then using a non-abrasive scraper. Strictly follow the instructions of the machine manufacturer.

**Safety**

The product contains diphenylmethanediisocyanate. Even if the product is applied within the range of the recommended working temperature, the diisocyanate has a detectable vapour pressure. When the recommended working temperature is considerably exceeded, hazardous decomposition products may be formed in the application unit. Therefore, measures to draw off the vapours need to be taken, e.g. through the provision of extraction equipment. In case of skin contact with the hotmelt, do not try to remove the adhesive from the skin by force. Consult a doctor. 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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**Reference 0.0**

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