

TECHNOMELT® PUR 4663

September 2023

Product description

TECHNOMELT® PUR 4663 provides the following product characteristics:

Technology	Polyurethane
Product type	Hotmelt
Application	Lamination, Assembly
Appearance	Translucent solid

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
- Fluorescent (UV-light)

Technical data

Softening Point, Ring & Ball, °C	-65
Viscosity, Brookfield - 130 °C, mPa.s (cP)	-10 000
Heat resistance, °C according to the Henkel method of increasing temperature	>150
Curing time to final strength, days (depending on substrate)	2 to 5

Direction for use

Preliminary statement:

Prior to use 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.

Working conditions:

Recommended working temperature	
In the melting container, °C	100 to 140
At the application roller, °C	100 to 140
Recommended application amount (depending on substrate), g/m ²	50 to 400
Recommended room temperature, °C	18 to 35
Recommended humidity, %	30 to 60

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 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 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 packaging 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 **Material Safety Data Sheets** for details on:

Hazardous Information
Transport Regulations
Safety Regulations

Additional information**Disclaimer**

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. We strongly recommend that you carry out your own prior trials to confirm such suitability of our product. Henkel is 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. Any liability in respect of the information in the Technical data sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Belgium NV, Henkel Electronic Materials NV, Henkel Nederland BV, Henkel Technologies France SAS and Henkel France SA please additionally note the following:

In case Henkel would be nevertheless held liable, on whatever legal ground, Henkel's liability will in no event exceed the amount of the concerned delivery.

In case products are delivered by Henkel Colombiana, S.A.S. the following disclaimer is applicable:

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. 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. Any liability in respect of the information in the Technical Data Sheet or any other written or oral recommendation(s) regarding the concerned product is excluded, except if otherwise explicitly agreed and except in relation to death or personal injury caused by our negligence and any liability under any applicable mandatory product liability law.

In case products are delivered by Henkel Corporation, or Henkel Canada Corporation, the following disclaimer is applicable:

The data contained herein are furnished for information only and are believed to be reliable. We cannot assume responsibility for the results obtained by others over whose methods we have no control. It is the user's responsibility to determine suitability for the user's purpose of any production methods mentioned herein and to adopt such precautions as may be advisable for the protection of property and of persons against any hazards that may be involved in the handling and use thereof. In light of the foregoing, **Henkel Corporation specifically disclaims all warranties expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from sale or use of Henkel Corporation's products. Henkel Corporation specifically disclaims any liability for consequential or incidental damages of any kind, including lost profits.** The discussion herein of various processes or compositions is not to be interpreted as representation that they are free from domination of patents owned by others or as a license under any Henkel Corporation patents that may cover such processes or compositions. We recommend that each prospective user test his proposed application before repetitive use, using this data as a guide. This product may be covered by one or more United States or foreign patents or patent applications.

Trademark usage

Except as otherwise noted, all trademarks in this document are trademarks of Henkel Corporation in the U.S. and elsewhere. ® denotes a trademark registered in the U.S. Patent and Trademark Office.

Reference 2