

TECHNOMELT PUR 310

Known as Pur-Fect 310
May 2017

PRODUCT DESCRIPTION

TECHNOMELT PUR 310 provides the following product characteristics:

Technology	Polyurethane
Product Type	Hotmelt
Application	Lamination Assembly
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
- 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
- Resistant to most solvents

Technical Data

TECHNOMELT PUR 310:

Softening Point, Ring & Ball, °C	~60
Viscosity, Brookfield - , 120 °C, mPa.s	~7,500
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 **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	100 to 140
at the application roller, °C	100 to 140

Recommended application amount (depending on substrate) g/m ² :	50 to 400
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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 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**

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. 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.

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Henkel AG & Co. KGaA
73438 Bopfinger, Germany
Phone: +49-7362-81-0

Henkel Corporation
Bridgewater, NJ 08807, USA
Phone: +1-908-685-7000

Henkel (China) Co.Ltd.
201203 Shanghai, China
Phone: +86-21-2891-8000