

TECHNOMELT PUR 310

Known as Pur-Fect 310

April 2013

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:

Typical Properties

Viscosity, Brookfield - , 120 °C, mPa.s	~7,500
Curing Time to final strength, days (depending on substrate)	2 to 5
Softening Point, Kofler, °C	~55
Heat Resistance, °C	>150
according to the Henkel method of increasing temperature depending on substrate	

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	100 to 140
at the application roller, °C	100 to 140
Recommended application amount (depending on substrate) g/m ² :	50 to 400

Processing

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

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Henkel AG & Co. KGaA
40191 Düsseldorf, Germany
Phone: +49-211-797-0

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

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