

TECHNOMELT PUR 270/9 ME

Known as Purmelt ME 270-9
June 2013

PRODUCT DESCRIPTION

TECHNOMELT PUR 270/9 ME provides the following product characteristics:

Technology	PUR
Product Type	Hotmelt
Application	Edgebanding Straightline Soffforming
Appearance	Blocks in aluminium laminated flexible packaging (Peelable Bag)

Application Areas

- Edgebanding as from feedrates of 15 m/min
- Edging material: solid wood, veneer, melamine, polyester, HPL*, PVC*, ABS*, PP*
- In case of thick edges pre-tests should be carried out for suitability
- Particularly suitable for soffforming

* Suitability depends on the individual characteristics of the edging material and how it is primed.

Product Properties

- 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
- High final bond strength
- Very high heat resistance (> 150 °C/> 302 °F) and cold flexibility
- Excellent moisture resistance
- Produces tight joints

Technical Data

TECHNOMELT PUR 270/9 ME:

Softening Point, Kofler, °C	~60
Curing Time to final strength, days	2 to 5
Viscosity, Brookfield -, 150 °C, mPa.s	~50,000
Heat Resistance, °C	>150
Tested with 0.6 mm oak veneer using the Henkel method of increasing temperature.	

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	130 to 150
at the application roller, °C	130 to 150

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

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. Cured PUR hot melt can only be removed by softening with an appropriate solvent such as N-ethylpyrrolidone (NEP) and then using a non-abrasive scraper. Strictly follow 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 a cool, dry place in the unopened original container for up to 6 months.
(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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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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