

TECHNOMELT PUR 2501-21 UV

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PRODUCT DESCRIPTION

TECHNOMELT PUR 2501-21 UV provides the following product characteristics:

Technology	Polyurethane
Product Type	Reactive Hotmelt
Components	One-component
Application	Flexible Lamination
Cure	Moisture Cure
Appearance TECHNOMELT PUR 2501-21 UV	Light ivory, crystalline upon delivery Transparent, yellow when melted

TECHNOMELT PUR 2501-21 UV is particularly suitable for the manufacture of flexible laminates and technical films.

Product Properties:

The product is characterized by a high initial tack and a long open time. The adhesive contains UV brightener for an easier visualization under UV light during production.

Laminate Properties:

The completely cured and cross-linked adhesive film of TECHNOMELT PUR 2501-21 UV exhibits a good bond strength, thermal and chemical resistance.

Due to the elasticity of the adhesive, the flexibility of the laminates is preserved.

TECHNOMELT PUR 2501-21 UV contributes to a very high durability of the laminates.

TECHNICAL DATA

TECHNOMELT PUR 2501-21 UV:

Solids	100%
Viscosity, Brookfield - RVTDV II, 120°C, mPas., Spindle 27	3,000 to 8,000
Working Temperature, °C	90 to 130

DIRECTIONS 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.

Application:

TECHNOMELT PUR 2501-21 UV can be applied with standard application systems suitable for polyurethane adhesives (e.g. heatable cartridge gun, nozzle, roller, slot die).

As standard working temperature we recommend a temperature of 90 to 130°C.

The premelting unit should be protected against humidity in order to avoid precuring of the adhesive.

Application Weight:

3 to 400 g/m² depending on the substrates and application.

Melt-Stability:

Unnecessarily high temperatures (>130°C) during longer machine stops have to be avoided.

The product viscosity will increase if kept at higher temperatures for several hours.

We recommend to melt the adhesive quantity required for immediate continuous machine operation only (drum or bag melting unit) and to reduce temperature during longer machine stops.

Curing:

TECHNOMELT PUR 2501-21 UV cures exclusively by moisture and gains its final strength after 3 to 5 days, but exhibits high handling strength after joining.

Curing is a chemical reaction depending on the following parameters:

- humidity in the rooms of application and storage
- water content of the substrates
- permeability of the substrates to be bonded
- application coat weight

Cleaning:

For cleaning of the machine we recommend TECHNOMELT PUR CLEANER 2. A technical data sheet is available on request.

Storage:

Frost-sensitive	no
Recommended storage temperature, °C	5 to 25
Shelf-life	12 months

Classification:

Please refer to the corresponding **Material Safety Data Sheets** for details on:

- Hazards identification**
- Transport information**
- Regulatory information**

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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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Reference **N/A**