

## TECHNOMELT PUR 9720

Known as Purmelt QR 9720  
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### PRODUCT DESCRIPTION

TECHNOMELT PUR 9720 provides the following product characteristics:

<b>Technology</b>	Polyurethane
<b>Product Type</b>	Hotmelt
<b>Application</b>	Bonding and lamination of interior parts

### Application Areas:

- TECHNOMELT PUR 9720 is a high performance, moisture curing hot melt adhesive based on polyurethane.
- - very good application properties
- - good wetting properties of the molten mass to various substrates
- - high initial strength after solidification
- - extremely short setting time (for machinery and manual edge wrap)
- TECHNOMELT PUR 9720 is primarily used for assembling and laminating areas:
- - interior parts for the automotive industry and sub-contractors (e.g. door mirrors, retainers, door linings, pillar linings, instrument panels)

### Product Properties:

TECHNOMELT PUR 9720 cures by moisture within short time, forming a hard elastic material, demonstrating the following characteristics:

- high heat resistance above 120°C
- good chemical resistance (e.g. to fuel-oil mixture, numerous plasticizers, solvents, aqueous surfactants, salt spray)
- adhesion to shaped fibre materials, wood, foils (soft PVC, TPO), textiles, thermoplastics (e.g. ABS, ABS/PC etc.) and - after pretreatment - also to nonpolar plastics (e.g. PE, PP etc.)

### TECHNICAL DATA

(as supplied)

#### vor der Vernetzung:

Colour	light ivory
Odour	weak
Density, g/cm <sup>3</sup>	~1.2
Solid content, %	100
Viscosity (130 °C), Pa. s	~30 to 60
Equipment	rotation viscosimeter Brookfield
Measuring system	Thermosel SP 27
Speed, rpm	5
Softening point, °C	~65
DSC	
Reactivation time, hrs	4
(at 23°C/50 % rh)	
Application temperature, °C	110 to 150
Consumption, g/m <sup>2</sup>	20 to 150 (depending on material combination and application system)

### DIRECTIONS FOR USE

#### Preliminary Statement:

Prior to use 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.

#### Pretreatment:

The bonding surfaces must be clean, dry and free of oil and grease.

Substrate temperature should not fall below 20°C during application.

Lower temperatures will lead to an early solidification of the adhesive and thus to a reduced open time, possibly the adhesive might even flake off.

If necessary the substrates may be prewarmed, however, longer open times and thus extended cycle times will have to be taken into consideration at temperatures above 45°C.

**Application:**

TECHNOMELT PUR 9720 can be applied from heatable cartridge guns, from usual tank melting equipment and from drums or hobbocks, using heatable equipment.

The material may be applied by nozzle, roller, foamable and sprayable systems.

**Cleaning:**

As long as TECHNOMELT PUR 9720 is not cured application equipment can be cleaned with Purmelt Cleaner 02. (See separate Technical Data Sheet). Cured adhesive can only be removed mechanically.

**Curing:**

TECHNOMELT PUR 9720 cures exclusively by moisture and gains its final strength after 3 to 7 days, but exhibits high handling strength after the physical process of setting.

Curing is a chemical reaction depending on the following parameters:

- humidity in the rooms of application and storage
- humidity of the substrates (carrier and decor)
- permeability of the substrates to be bonded
- application weight/layer of the adhesive film

If required, we will assist you to determine your specific process data.

**Classification:**

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

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

**Storage:**

Frost-sensitive	no
Recommended storage temperature, °C	10 to 25
Shelf-life (in unopened, original packaging), 12 months	

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