Technomelt Cool 3710

March-2010

PRODUCT DESCRIPTION

Technomelt Cool 3710 provides the following product characteristics:

Technology	EVA
Product Type	Hotmelt Low application temperature
Application	Graphic Industry
Appearance	Granules

Application Areas

- One shot perfect binding on automatic binding machines
- Manufacture of mail order catalogues, Telephone directories, timetables, magazines, etc
- Two shot perfect binding - Primer
- Two shot perfect binding - Primer & Top Coat

Product Properties

Technomelt Cool 3710 is suitable for high speed machines.

Film Properties

- light yellow
- hard elastic

The product has been especially studied from our Research & Development Team

- to reach and maintain constant high working speeds

Technical Data

Technomelt Cool 3710:

Viscosity, Brookfield, 130 °C, mPa.s	3,700 to 5,100
Softening Point, Ring & Ball, °C	67 to 77
Open Time	medium
Setting Time	medium

Compliance with food packaging regulations

Under specific conditions (FDA, EC-guidelines and BfR recommendations) the adhesive is suitable for the manufacture of food packaging materials.
A conformity letter with further details is available on request.
The responsibility for compliance with the specific conditions is with the converter and not with the adhesive supplier.

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.

Processing

Technomelt Cool 3710 is suitable for perfect binding of most papers. The adhesive can be applied without primer with an application thickness of 0.5 - 1.0 mm on a dust free book spine. You can optimize the bonding strength of difficult-to-bond papers by an appropriate spine preparation (notches of 0.5 - 1.5 mm depth and distance of 4 - 5 mm). The grinding depth of long fibrous papers may be less.

The ideal coating and spine preparation depend to a great extent on the paper quality, size and weight of the specimen fibre, direction and cover respectively back lining material.

If only a small quantity of hotmelt is required, and there are long machine standstills during the shift, the temperature in the premelter should be 20 to 30 °C below the application temperature in order to avoid charring. For the same reason it is recommended not to premelt more adhesive than being used during a working day. Avoid overheating above the maximum application temperatures, since quality will suffer and the adhesive may char.

Application

Application method:

- roller

Working Temperature:

Processing of Technomelt Cool 3710 can be effected at the following temperatures:

One Shot, °C	120 to 140
Two Shot - Top Coat, °C	120 to 140
Two Shot - Primer, °C	160 to 180

Cleaning

For the cleaning of melting tanks and application systems, we recommend the use of our Purmelt ME Cleaner. For the cold cleaning of surface soilings on application equipment, conveyor belts or other machine parts, Melt-O-Clean can be applied. Melt-O-Clean is based on natural resources and facilitates manual cleaning even in case of pronounced charring. Before using Melt-O-Clean, its suitability for lacquered and synthetic coated surfaces should be tested. During use, please follow the safety instructions.

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Handling Information
Due to the variety of different materials available on the markets pre-tests should be carried out.

STORAGE
Keep containers upright and closed to prevent contamination. Do not mix with other adhesives. When stored in a dry and cool place in the original unopened containers shelf life is as follows.

Shelf life

Shelf-life (in unopened original packaging), years	2
Frost-Sensitive	No

ADDITIONAL INFORMATION

Disclaimer:
The Information provided herein, especially recommendations for the usage and the application of our products, is based upon our knowledge and experience. Due to different materials used as well as to varying working conditions beyond our control we strictly recommend to carry out intensive trials to test the suitability of our products with regard to the required processes and applications. We do not accept any liability with regard to the above information or with regard to any verbal recommendation, except for cases where we are liable of gross negligence or false intention. This datasheet replaces all former versions.

Reference 0.0

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