

Technical Information

Purmelt CB 2007-21



I. Product Description

Adhesive TypePurmelt CB 2007-21 is a moisture curing reactive Polyurethane hotmelt with a high initial tack and a good transparenz.

Application areas Purmelt CB 2007-21 is especially suitable for the production on folding cartons and clear boxes. All plastic films as A-PET, G-PET, pretreated Polyolefin and PVC films can be used. All materials have to be well pretreated (> 38dyn) and tested before in industrial trials.

Product Properties Purmelt CB 2007-21 is fast setting and shows a very high initial tack after cooling. After curing with moisture the highly transparent adhesive film has a duroplastic character leading to a high temperature stability and high flexibility even at low temperatures.

Typical Characteristics

Solids	100%
Viscosity	8000 +-2000mPas, Brookf. RVT, Sp. 27, 30 rpm, 130 °C
Colour	clear to slight yello, transparent when melted and after cooling

II. Instructions for Use

Processing

Premelting unit:	100-130 °C
Hose:	120-150 °C
Nozzle:	140-160 °C

Depending on the application unit and the machine the parameters has to be individually adjust for a good wetting and optic.
If the machine is stopped for extended periods, the temperature should be reduced in the melting unit and in the hoses to avoid increase in viscosity.

Curing Depending on humidity, thickness of adhesive layer and film quality, the adhesive will achieve final bond strength after 2-5 days. For curing an ambient temperature of at least 20 °C has to be assured. Lower temperatures will slow down curing. After physical setting the adhesive has already a high handling strength. To obtain a bubble free adhesive seam the adhesive bean should be pressed to form a thin and even adhesive film.

Cleaning For the cleaning of application equipment we recommend our product Purmelt Cleaner 2.

Disposal See material safety datasheet

Safety information See material safety datasheet.



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III. Transport / Storage

Classification Please refer to the safety data sheet.

Storage

In closed original packaging 9 months at 5-25 °C.
The containers should be stored in a dry environment. The adhesive should be used directly after opening the container.

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.

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Van Asperen Kleefstoffen B.V. Vaartweg 106 8243 PP Lelystad
Tel: +31 (0) 320-260261 Fax: +31 (0) 320-260050
Email: info@van-asperen.nl Website: www.van-asperen.nl



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