

## Technical data sheet avenia B42043.1 – granular

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### HOT MELT

Part numbers: B42043.1 – granular

### APPLICATORS:

HB 700-series  
HB Bulk Systems

### APPLICATIONS

Universally suitable hot melt for installation bonding. Particularly suitable in packaging industrie for folded boxes and for deep freeze package.

### PROPERTIES

This hotmelt with a very short setting time is suitable for the bonding of paper, card boards, glass and many plastics such as PS, PE, PP, PVC, PC, PMMA, PETP, PA. Nearly odour and smoke free with an improved thermal stability and stays constant in its viscosity.

The raw material components are registered in FDA regulations 175.105 for the packaging of foods.

### DESCRIPTION

Type	: Hot melt adhesive based on polyolefine
Colour	: Yellowish-translucent
Composition	: The components of this hot melt adhesive are classified as completely harmless. There is thus no need for special labelling of this product in compliance with German regulations for dangerous materials.

### TECHNICAL DATA

Softening point	: approx. 105°C Ring and ball
Heat resistance	: approx. 55 °C (WPS 68, shearload 100 g/cm <sup>2</sup> )
Viscosity	: approx. 1100 mPas at 160 °C (BrookfieldThermosel)
Specific gravity	: approx. 0.90 g/cm <sup>3</sup>
Solids content	: 100%
Working temperature	: 150-170 °C
Open time	: approx. 30 s, depending on material and quantity of adhesive applied (strip shaped application, dia. 3 mm, 180 °C, material strip (thickness 4 mm).
Setting time	: approx. 3 s, depending on insulating effect of materials to be bonded and on application method and kind of material (see above open time).
Size	: granular

### PACKAGING

Granular - in 25-kg-sack

Slight variation in the colour of the adhesive is normal and should not be seen as a quality problem.

### STORAGE

Minimum two year shelf life under normal indoor conditions and when stored in the original packaging. Exposure to heat (direct sunlight) should be avoided at all costs to prevent possible damage, distortion or degradation of the adhesive.

### APPLICATION

The surfaces to be bonded must be free of dust, dirt, moisture, grease, release agents. Attention: Plastic- and paint-materials containing plasticizers may destroy bond strength.

Apply adhesive as a spot, continuous strip or bead respectively spray a layer of sufficient thickness and join the parts together immediately. Short-time pressure will increase the bond strength.

### SPECIAL NOTES

The safety and operating instructions for the applicator must be observed! Attention: Hot! The molten adhesive and the nozzle of the gun can reach temperatures which may cause skin burns if accidentally touched. In such cases submerge the affected area in cold water immediately. Do not try to remove the adhesive and seek proper medical attention.

Even when using the hot melt within the correct temperature range a slight fume is produced. If the working temperature is exceeded these fumes may result in the irritation of mucous-membranes in sensitive people. A preventive ventilation should exist.

### REMARKS

The details in our instruction sheets and other publications are provided to the best of our knowledge. Their contents are not, however, legally binding. In all cases, we recommend that preliminary tests are carried out by the customer. In all other respects, our General Terms of Sale apply.

Professional advice and rapid response from our central office in Bremen ensure you of reliable service.