

## Technical data sheet D41544.1 - pillows

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### HOT MELT

Part numbers: D41544.1 - pillows

### APPLICATORS :

HB 700  
HB Bulk Systems

### APPLICATIONS

PSA hot melt for fixing and installation work e.g. fixing insulating materials on carrying texture, insulating materials or upholstered furniture.

### PROPERTIES

Pressure sensitive adhesive with an excellent surface tack and elasticity. This hot melt has an excellent bonding to many materials such as wood, paper, cardboards, fabrics, leather, metals, ceramics, glass and to many plastics such as Melamin, PE, PP, PVC, PC, PETP, PA, POM.

The raw materials components are registered in FDA-regulations 175.105 for the indirect contact with food.

### DESCRIPTION

Type	: Hot melt adhesive based on Thermoplastic rubber
Colour	: Yellowish, clear
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. 87 °C Ring and ball
Heat resistance	: approx. 50 °C (WPS 68, shearload 100 g/cm <sup>2</sup> )
Viscosity	: approx. 1600 mPas at 180 °C (Brookfield)
Specific gravity	: approx. 0,970 g/cm <sup>3</sup>
Solids content	: 100%
Working temperature	: 120 – 180°C
Open time	: Permanent tacky
Size	: small pillows

When applying the hot melt by spray melt systems the value of the open time is reduced.

### PACKAGING

pillows – 15 kg - packs

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

### STORAGE

Minimum one 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.

This thermoplastic adhesive is stabilized against thermal and oxidizing decomposition. In case of unusual thermal stress, e.g. temperature exceeding 180 °C (356 °F) and/or long periods in molten state, the use of an inert-gas (nitrogen or carbon dioxide) is recommended

### 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.