

Technical data sheet D51887 – blocks

D91887 – drums

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HOT MELT

Part number: D51887 – blocks
D91887 – drums

APPLICATORS : HB Bulk Systems
HB Bulk unloader

APPLICATIONS

Pressure sensitive adhesive for fixing and installation work e.g. fixing insulating materials on carrying texture or for bonding PE-carrier bags and for self-adhesive PE-bag closures.

PROPERTIES

This hot melt is remarkable by a high self stickiness and a high initial tack. The adhesive has an excellent bonding to many substrates such as wood, paper, cardboards, fabrics, glass, metals, ceramics and to many plastics as ABS, PS, PE, PP, PVC, PMMA, PC, PETP, PA and POM.

DESCRIPTION

Type : pressure sensitive adhesive based on thermoplastic rubber

Colour : yellow

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. 80 °C Ring and ball

Heat resistance : approx. 45 °C (WPS 68, shearload 100 g/cm²)

Viscosity : approx. 5000 mPas at 180 °C (Brookfield Thermosel)

Specific gravity : approx. 0.97 g/cm³

Solids content : 100%

Working temperature : 140-180 °C

Open time : Permanent tacky

Size : Blocks approx.1 kg
Drum 160kg

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

PACKAGING

Blocks – 10 kg – packs

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 thick-ness 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) 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.