

PRODUCT DATA SHEET

SikaMelt®-173

Polyolefin and EVA hot melt adhesive

TYPICAL PRODUCT DATA (FURTHER VALUES SEE SAFETY DATA SHEET)

Chemical base	Polyolefin and EVA blend
Color (CQP001-1)	Amber
Cure mechanism	Physical hardening
Density (uncured)	0.95 kg/l aprox.
Viscosity (by Brookfield)	At 150 °C 2.500 mPa.s aprox.
Softening temperature (CQP538-5)	105 °C aprox.
Application temperature	120 – 170 °C
Open time (CQP559-1)	Medium
Shelf life	12 months

CQP = Corporate Quality Procedure

DESCRIPTION

SikaMelt®-173 is a multipurpose, thermoplastic hot melt in pellets for assembly and sealing applications. It combines very good applicability and initial strength with a broad adhesion range on non-polar and some polar substrates. Due to its medium open time SikaMelt®-173 can also be used for processing within its open time.

PRODUCT BENEFITS

- High strength and flexibility
- Good adhesion on a wide range of substrates
- Excellent applicability by bead, spray and foam melt
- Very good heat resistance
- Low residual tack

AREAS OF APPLICATION

SikaMelt®-173 has very good adhesion properties on polar and non-polar substrates like polypropylene and metals. It is suitable for permanent sealing on a wide range of materials. SikaMelt®-173 is designed for the assembly and sealing for home appliances. This product is suitable for experienced professional users only. Tests with actual substrates and conditions must be performed ensuring adhesion and material compatibility.

CURE MECHANISM

SikaMelt®-173 is a physically hardening adhesive.

CHEMICAL RESISTANCE

SikaMelt®-173 is resistant to aqueous solutions of detergents, weak acids, and basic solutions. SikaMelt®-173 is temporarily resistant to fuels, solvents, and mineral oils. Regarding chemical resistance it also depends on the substrate, chemical concentration, duration of exposure and temperature, we recommend evaluating the performance of the adhesive with tests. The above information is provided as a general guide only. Specific application recommendations will be provided upon request

METHOD OF APPLICATION

Surface preparation

Surfaces must be clean, dry and free from grease, oil, dust and contaminants.

Application

With adequate processing equipment SikaMelt®-173 can be applied as film, dot, bead or spray application.

During breaks SikaMelt®-173 is to be processed as follows:

For breaks ≥ 1 h the heating needs to be lowered to 80 °C and for breaks ≥ 4 h the heating needs to be switched off.

To ensure a constant quality during the whole production process it is mandatory to protect the adhesive in the melting tank with nitrogen or carbon dioxide (to avoid possible reaction of the product with oxygen).

For advice on selecting and setting up suitable processing equipment contact the System Engineering Department of Sika Industry.

Removal

Equipment and application tools can be cleaned with SikaMelt®-005 (see also Cleaning Instructions).

SikaMelt®-173 may be removed from tools and equipment with Sika® Remover-208 or another suitable solvent.

Hands and exposed skin have to be washed immediately using hand wipes such as Sika® Cleaner-350H or a suitable industrial hand cleaner and water. Do not use solvents on skin.

STORAGE CONDITIONS

SikaMelt®-173 has to be stored at temperature below 40 °C in a dry place.

For transportation purposes, the storage temperature can be exceeded for a period of max. 4 weeks up to 60 °C.

FURTHER INFORMATION

The information herein is offered for general guidance only. Advice on specific applications is available on request from the Technical Department of Sika Industry.

Copies of the following publications are available on request:

- Safety Data Sheet

PACKAGING INFORMATION

Bag	25 kg
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BASIS OF PRODUCT DATA

All technical data stated in this document are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

HEALTH AND SAFETY INFORMATION

For information and advice regarding transportation, handling, storage and disposal of chemical products, users shall refer to the actual Safety Data Sheets containing physical, ecological, toxicological and other safety-related data.

DISCLAIMER

The information, and in particular, the recommendations relating to the application and enduse of Sika products, are given in good faith based on Sika's current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with Sika's recommendations. In practice, the differences in materials, substrates and actual site conditions are such that no warranty in respect of merchantability or of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be inferred either from this information, or from any written recommendations, or from any other advice offered. The user of the product must test the product's suitability for the intended application and purpose. Sika reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.

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