



PIB-969S Product Information

Product Description

PIB-969 S is solvent-free, permanently plastic single component sealant based on polyisobutylene, which does not cure. The material is remarkably softened by heat. The adhesion is physical; final adhesion is obtained after a press procedure.

Application Areas

PIB-969 S is used as inner sealant for the manufacture of insulating glass units in conjunction with an elastic sealant compound like PS-998 R. PIB-969 S adheres well to glass, aluminum, cast zinc, galvanized steel and stainless steel. In the case of special substrates, such as coated glass or spacer bars with modified surfaces, please contact our technical customer service. PIB-969 S is also used for bonding/sealing other products in such cases, where besides good sealing properties, also the fulfillment of corresponding specifications regarding the emission of volatile components is required.

Technical data

Color:	black
Smell:	odorless
Consistency:	continuous plastic
Density:	approx. 1.16 g/cm ³
Solids:	100 %
In service temperature range:	-30°C to 80°C
Short exposure (up to 1 h):	160°C

Preliminary statement

Prior to application it is necessary to read the **Safety Data Sheet** for information about precautionary measures and safety recommendations. Also, for chemical products exempt from compulsory labeling, the relevant precautions should always be observed.

Pretreatment

All surfaces must be clean, dry and free of grease.

Application

PIB-969 S can be applied with a suitable, heatable hydraulic press (so called butyl extruder). Screw-, piston-, gear- or rotary pumps are suitable for the application of PIB-969 S in pails or drums. Pump as well as follower plate, hose and application nozzle are heatable. Due to the heated follower plate PIB-969 S softens at the surface and is thus pumpable. Equipment with divided heating circuits and independent control has proved advantageous, with the lowest temperature at the follower plate and the highest temperature at the application nozzle.

Because the optimal application temperature depends on several parameters, trials for fine-tuning of the temperature are recommended. The preferred range of temperature is 125°C to 140°C. The unpressed polyisobutylene can be removed by touching it lightly with a piece of the same material. Moisture condensation hinders the contact between the product and the substrate. For this reason no under cooled substrates should be coated. It is, therefore, necessary to warm the substrates, e. g. spacer bars, sufficiently. PIB-969 S in drums (200 l) requires a non-sticking interlayer (siliconized paper) between the bottom of the drum and the product, which enables the retraction of the follower plate after emptying of the drum. This interlayer normally sticks to the follower plate and **must be removed prior to using the next drum.**

Storage

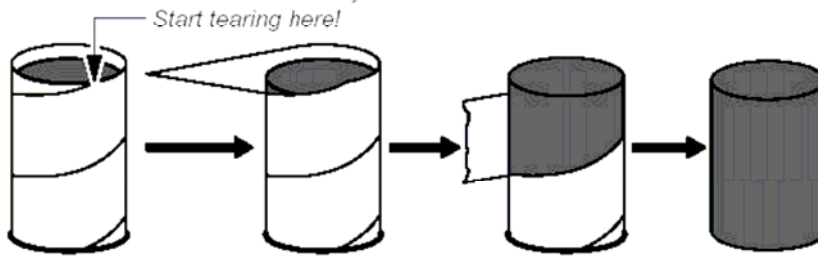
Frost-sensitive	No, but adequate storage at work room temperature before use is necessary.
Recommended storage temperature	+15°C to +25°C; protect from direct sun and/or heat irradiation. A storage at +5°C to +15°C as well as +25°C to +40°C does not affect the product, but influences probably the operation properties.
Shelf-life	12 months in the original packaging

ADEQUATE TESTS: The information contained in this bulletin we believe is correct to the best of our knowledge and tests. The recommendations and suggestions herein are made without guarantee or representation as to results. We recommend that adequate tests be made in your laboratory or plant to determine if this product meets all of your requirements.

H.B. FULLER'S ACCEPTANCE OF ANY ORDERS FOR THIS PRODUCT IS EXPRESSLY CONDITIONAL UPON PURCHASER'S ASSENT TO THE TERMS SHOWN ON THE REVERSE SIDE.

Hints for unwrapping this packaging:

Start tearing at marked position (see drawing below), unwrap to the end (preferably at a slight downward angle [$\pm 5^\circ$]) and separate the product from the bottom. **Attention:** Take care that the release foil or its residues do not stick to the material and remove if necessary.

**Packaging**

Cardboard drum

7.2 kg for extruder*:
200 mm diameter, 250 mm height

Drum, 200 l

ca. 200 kg bulk material ** (interior diameter: 571.5 mm)

* the dimensions are valid for the extruder cylinder

** the exact weight is printed on the label

Insulating Glass Information

In addition to the present Technical Information (Technical Data Sheet, we issue so-called "IG Info" Information Sheets on various aspects regarding the manufacture and use of multi-pane insulating glass units, which provide more detailed information on how to use our products. Do not hesitate to make use of them.

Health and Safety Precautions

To minimize the risk of burns, eye protection and thermally protective clothing should be worn when working near a hot melt applicator. To minimize the risk of flammable vapors, do not exceed a melt temperature of 232°C. Prevent the buildup of vapors. Extinguish all sources of ignition during hot melt use. Use only in a well-ventilated area. Consult Material Safety Data Sheet for additional information.

WARNING: EXTREME CARE SHOULD BE EXERCISED WHEN WORKING WITH HOT MELTS IN THEIR HOT, FLUID STATE. Severe burns will result if skin contact occurs. When moving a hot melt from one location to another, protective gloves should be worn. If skin contact occurs, immediately immerse contact area in cold, clean water for at least 30 minutes. Cover contacted area with a wet, clean compress, and see a physician immediately.

Disposal

In most localities, empty drums may be crushed and sent to a local landfill. Since local landfills have the right to refuse any material, check first. Check with the local drum recycler to see if they will accept the empty drums for recycling. Empty drums also may be discarded as scrap metal for a local scrapping company. Check the Material Safety Data Sheet for disposal requirements.

Important

The data above, particularly the recommendations for application and use of our products is based on our knowledge and experience. Due to different materials and conditions of application, which are beyond our knowledge and control, we strongly recommend carrying out sufficient tests in order to ensure that our products are suitable for the intended process and applications. Except for willful acts, any liability on such recommendations or any oral advice is hereby expressly excluded.

This Technical Data Sheet supersedes all previous editions.

9 April 2008

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ARBITRATION — Purchaser agrees that any claim of less than \$100,000 shall be submitted for binding arbitration before a single arbitrator and shall be governed by the rules and procedures of the American Arbitration Association. The arbitrator and the American Arbitration Association shall be paid by the Purchaser.

CONDITIONAL ACCEPTANCE — Fuller's acceptance of Purchaser's order for this product is expressly conditional on Purchaser's assent to terms and conditions set forth herein.