

## Flushing agent

**Application:** For flushing out applicator units for PO or EVA hot melt adhesives. Not to be used for flushing out applicator units for PUR hot melt adhesives.

**Characteristics/ Directions for use:** Allow all adhesive to be extruded completely. Then fill the unit with Jowat® flushing agent 931.20 and melt. The entire amount of flushing agent has to run through the hose and nozzle; then repeat the procedure to ensure that all hot melt residues have been removed. Before taking up work again, the flushing agent has to be completely removed from the equipment.

All raw materials used in the manufacturing of 931.20 are approved according to FDA guideline 175.105 for food packaging

Customer trials are required.

Application Temperature [°C]:	160 – 180 (320 - 356 °F)
Density at 23 °C (73 °F) [g/cm <sup>3</sup> ]:*	approx. 0.95 ± 0.05 (7.93 ± 0.42 lb/gal)
Softening range [°C]:*	approx. 110 ± 2 (230 ± 4 °F) (ring and ball)

\* According to Jowat test method.

**Specification:** Viscosity at 160 °C (320 °F) [mPa·s]: 1,700 ± 400  
(Brookfield Cone and plate, Spindle 7, 100 RPM)

**Storage:** May be stored in properly closed original containers, cool and dry (15-25°C (59-77°F)). Best before date, please see container label. After the elapse of the best-before date it is essential that you again verify that the product is fit for your intended application.

**Packaging:** Information about packaging types and units is available upon request.

**Remarks:** **For further information concerning handling, transport and disposal, please refer to the Safety Data Sheet.**

The information on this data sheet is based on test results from our laboratories as well as on reported experience gained in the field by our customers. It can, however, not cover all parameters for each specific application and is therefore not binding upon Jowat, nor should it be relied upon in lieu of your own required testing. The information given in this leaflet represents neither a performance guarantee nor a guarantee of properties, nature, condition, state or quality. No liability may be derived from the information contained herein nor from the information provided by our free technical advisory service.

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**Please refer to the last page of this technical data sheet for additional information.**

**Jowat**   
Adhesives

## Flushing agent

### JOWAT Corporation Information

Gluing, as one of the most efficient methods of bonding, is constantly expanding into new areas of application. At the same time, the number of substrates to be bonded is also growing at an unprecedented rate. New methods and equipment to process adhesives are constantly being improved and developed.

The in-house R&D department of JOWAT Corporation ("JOWAT") is responding with intensive efforts to keep pace with these constant changes. A highly trained and qualified team of chemists and engineers are using the latest techniques and the brightest ideas to provide adhesives that meet the needs of our customers for new and innovative applications.

We have assimilated information based on test results from our laboratories as well as on experience gained in the field by working with our customers. This information is available by contacting our technical service department. Customers who have obtained information and thereafter undertake modifications during a running production are invited to provide this information to us to assist us in maintaining our field information and obtain any updated information we may have. However, any technical information we provide is provided without any representation or warranty and for informational and assistance purposes only, and must not be relied upon or used to replace field testing by the user of the adhesive in the actual application for which the adhesive is to be used. Our laboratory testing and field information obtained cannot simulate all eventualities that may occur in each specific application, and for that reason we cannot and do not insure performance or results in specific applications.

Any user of adhesives manufactured by JOWAT must test the adhesive(s) for suitability in each individual application, performing such tests in connection with the first use of a sample as well as all subsequent modifications during any ongoing production.

In addition to such other tests the users of our adhesives deem appropriate to insure suitable bonding, all users of adhesives manufactured by JOWAT should test the adhesives for suitability on original parts equal to normal processing conditions. The adhesive bond should then also be tested and assessed by subjecting it to the actual stress and conditions it will undergo in all of its intended and reasonably foreseeable uses. ALL OF THESE TESTS ARE ABSOLUTELY NECESSARY AND MUST BE PERFORMED.

**IMPORTANT:** Any products (collectively the "Products") manufactured by JOWAT, its parent, affiliates and subsidiaries (collectively "Seller"), as well as all services relating to such Products are subject to the JOWAT Corporation General Terms and Conditions. THE WARRANTY CONTAINED HEREIN IS EXCLUSIVE AND EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES, WRITTEN, ORAL, IMPLIED OR STATUTORY, INCLUDING BUT NOT LIMITED TO EXPRESSED OR IMPLIED WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE. IN ADDITION, SELLER SHALL NOT BE LIABLE FOR ANY LOSS, DAMAGE OR INJURY OF ANY NATURE, EITHER DIRECT, INDIRECT OR CONSEQUENTIAL, IN CONNECTION WITH OR RESULTING FROM THE PURCHASE, USE OR SALE OF THE PRODUCTS. SELLER'S SOLE AND EXCLUSIVE OBLIGATION UNDER THIS WARRANTY AND BUYER'S SOLE AND EXCLUSIVE REMEDY, SHALL BE LIMITED TO CREDITING BUYER WITH THE INVOICE VALUE OF ANY NONCONFORMING PRODUCTS UPON THEIR RETURN TO SELLER OR REPAIRING OR REPLACING ANY NONCONFORMING PRODUCTS, IN SELLER'S SOLE DISCRETION. If an additional copy of the General Terms and Conditions is needed, please contact JOWAT.

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