

Jowatherm® GROW

853.40 & 853.45



Bio-based hot melt adhesives for sustainable bonding of packaging

Clean processing and low maintenance

Complete compatibility with conventional adhesive systems

Adhesion compatibility with conventional packaging materials

Exceed USDA BioPreferred content certification requirement

Sustainable growth with Jowatherm® GROW

Jowatherm® GROW marks a milestone in the development of hot melt adhesives based on renewable raw materials. Never before have cleaner and more efficient Jowat® products with such a high bio-based content been available. These innovative hot melt adhesives save resources, not only through the use of biological components, but through energy savings and enhanced process cleanliness.

Jowatherm® GROW 853.40

Viscosity at 120 °C	approx. 1,375 mPas
Processing temperature	approx. 120 – 140 °C
Setting time	approx. 1 ± 0.5 s
Open time	approx. 6 ± 1 s
Bio-based content	42 %

Jowatherm® GROW 853.45

Viscosity at 160 °C	approx. 1,450 mPas
Processing temperature	approx. 150 – 180 °C
Setting time	approx. 1.5 ± 0.5 s
Open time	approx. 7 ± 1 s
Bio-based content	46 %

In addition to a high content of renewable raw materials, this innovative hot melt adhesive features a lower application temperature. The lower application temperature significantly reduces energy consumption and reduces char formation.

Jowatherm® GROW 853.40 is also characterized by very low stringing and clean adhesive cut-off, which prevents the waste of adhesive and the soiling of packaging and machine parts. **Jowatherm® GROW 853.40** is the ultimate solution for sustainable packaging adhesion.

The very high content of renewable raw materials makes this sustainable high temperature hot melt adhesive ideal for companies that want to avoid the use of fossil-based raw materials for their product packaging. **Jowatherm® GROW 853.45** provides a wide range of adhesion for reliable bonding of difficult surfaces. This sustainable adhesive also features low stringing and a clean adhesive cut-off. **Jowatherm® GROW 853.45** is a universal solution for sustainable bonding on high temperature hot melt adhesive systems.

Jowatherm® GROW – A holistic approach to sustainability

- GROW utilizes innovative resins made from by-products of paper manufacturing, with no impact on the food industry.
- GROW incorporates pine wood by-products from forests managed according to strict sustainability guidelines.
- The hot melt adhesives are manufactured by Jowat, which is certified according to ISO 14001 (Environmental Management), ISO 50001 (Energy Management) and ISO 9001 (Quality Management).
- The adhesives of course fulfill the requirements of FDA 175.105 and EU 10/2011 for food packaging.



The information given in this leaflet is based on test results from our laboratories as well as on experience gained in the field, and does in no way constitute any guarantee of properties. Due to the wide range of different applications, substrates, and processing methods beyond our control, no liability may be derived from these indications nor from the information provided by our free technical advisory service. Before processing, please request the corresponding data sheet and observe the information in it! Customer trials under everyday conditions, testing for suitability at normal processing conditions, and appropriate fit-for-purpose testing are absolutely necessary. For the specifications as well as further information, please refer to the latest technical data sheets.