

Jowatherm® GROW 853.20 & 853.22



**Bio-based hot melt adhesives for a sustainable bonding
of packaging**

Clean processing and low maintenance

Resource-efficient and recycling-friendly

Certified sustainability

Sustainable Growth with Jowatherm® GROW!

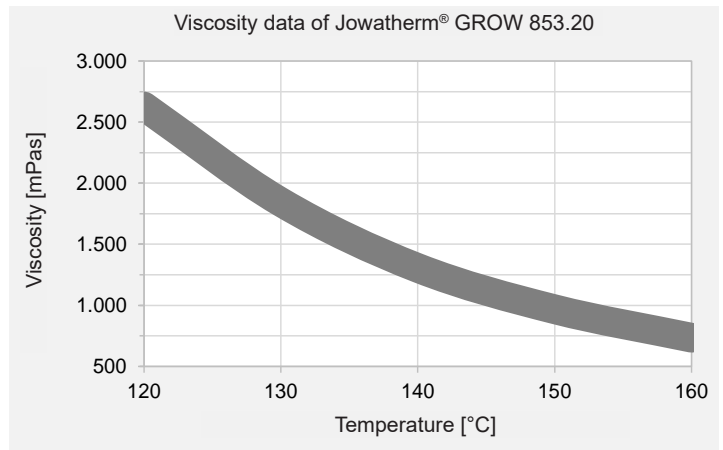
Jowatherm® GROW marks a milestone in the development of hot melt adhesives based on renewable raw materials. Never before have cleaner and more efficient Jowat® products with such a high bio-based content been available. These adhesives contain resins made from the by-products generated in the manufacture of paper and therefore do not use resources needed for food production. The wood is sourced from pine trees which are sourced exclusively from forests managed according to strict guidelines.

Jowatherm® GROW 853.20

- 33 % bio-based (DIN verified)
- low processing temperatures
- very clean string cut-off at the nozzle



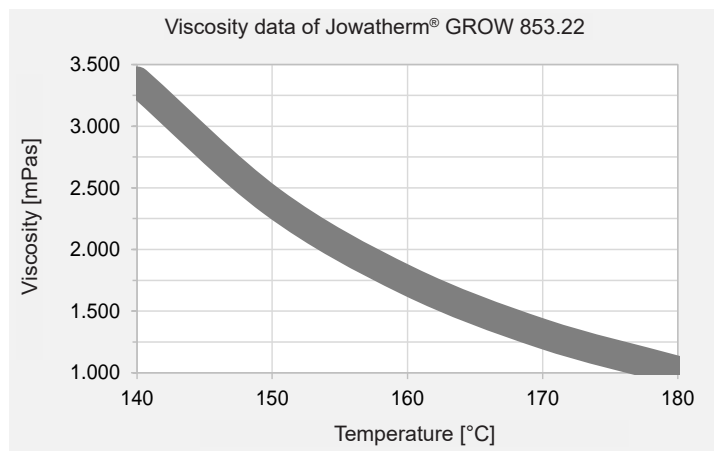
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|---|---------------------------|
| Short pressing time & high restoring forces | ● ● ○ |
| Clean processing | ● ● ● |
| Demanding surfaces | ● ○ ○ |
| Heat resistance | ● ● ○ |
| Cold resistance | ● ○ ○ |
| Environmental benefits | ● ● ● |
| Food safety | EU 10/2011 FDA 175.105 |



Jowatherm® GROW 853.22

- 50 % bio-based (DIN verified)
- very wide range of adhesion
- high flexibility at low temperatures

| | |
|---|---------------------------|
| Short pressing time & high restoring forces | ● ● ○ |
| Clean processing | ● ● ○ |
| Demanding surfaces | ● ● ● |
| Heat resistance | ● ● ○ |
| Cold resistance | ● ● ● |
| Environmental benefits | ● ● ● |
| Food safety | EU 10/2011 FDA 175.105 |



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.