



Jowat-Toptherm®

265.00



**PO hot melt adhesive for mounting battery elements
in plastic cases**

Good adhesion to battery cases and separators made of PP

One-component processing for high process reliability

Very high resistance to acids

Fast build-up of cohesion for short process times

Adhesives processed in the manufacturing of automotive batteries have to meet a very complex set of requirements. Long open time, fast build-up of cohesion (handling strength) and very high resistance to acids are essential. Due to their benefits, thermoplastic PO hot melt adhesives are increasingly becoming the product of choice for the manufacture of automotive batteries. They provide several major advantages compared to the two-component epoxy adhesives that are also used for this application, such as the convenient one-component processing, superior resistance to acids and good adhesion to battery cases made of polypropylene (PP). On the one hand, the processing of a single adhesive component considerably reduces the downtimes in production for e.g. maintenance and cleaning and other disruptions but also increases the process reliability.

Jowat-Toptherm® 265.00 has been developed specially for the manufacture of automotive batteries. Due to its low viscosity, the adhesive spreads

very well. The high mechanical strength facilitates a 1:1 replacement of two-component epoxy adhesives.

Benefits

- ✓ Long open time and fast build-up of cohesion
→ quick downtime processing
- ✓ Very high resistance to acids
- ✓ Single-material recycling (PP battery case – PO hot melt adhesive)
- ✓ Good adhesion to PP battery cases and to the PP separators
- ✓ One-component processing
→ higher process reliability
→ less disruptions
→ less maintenance and cleaning

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PO hot melt adhesive for mounting battery elements in plastic battery cases.

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|-------------------------------------|---------|--------------|
| Base polymer | | polyolefin |
| Viscosity at 180 °C | [mPas] | 2,700 ± 500 |
| Processing temperature | [°C] | 170 - 190 |
| Open time (measured on a 2 mm bead) | [s] | approx. 20 |
| Density | [g/cm³] | approx. 0.87 |
| Appearance | | colourless |



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.