

Wovens

- Carrier bags and heavy duty sacks
- Polyolefin hot melt adhesives
- Polyurethane adhesives



Jowat-Toptherm® 262.76
Jowat-Toptherm® 260.95
Jowatherm-Reaktant® 601.06

New adhesive systems for wovens of OPP and PET



The combination of a solid material – polypropylene – and its processing to a woven material (PP woven) was used first of all in the manufacture of industrial packaging units that have to withstand heavy loads. PP wovens are for instance used to manufacture sacks and bags for the packaging of building materials, fertilisers, cereals, or other bulk goods. These heavy-duty sacks must be able to be filled with products of high weights, may not rip, are scrub-resistant, and withstand all kinds of exposures. The sacks and bags of PP wovens combine their superior load stability with a low weight of their own – important advantages during transport, in handling and storage.

Bags and pouches of polypropylene wovens are popular and helpful advertising media, since they can be easily individualised. They create attractive packages with a lasting high value appeal. In contrast to bags of paper or foil, PP bags can withstand extreme loads, and this makes them safe carrying means that can be used many times over. The positive result: a

good ecobalance.

Just like their big relatives – the heavy load bags – carrier bags of PP wovens can easily be made into pleasant shapes and attractive designs – using new innovative adhesives.

The excellent wetting performance of the **Jowat-Toptherm®** adhesives used in the manufacture of PP bags and sacks permits their processing without extensive surface pretreatment of the substrates.

Additionally, the **Jowat-Toptherm®** adhesives offer excellent product characteristics like for instance a superior heat resistance in the melt, which eliminates delays in production caused by a necessary maintenance for applicator units. Cracking of the adhesive is almost completely eliminated. The new member of the **Jowat-Toptherm®** family of products also exhibits a very good application performance. This prevents soiling of the line or the substrates due to stringing in nozzle application.

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Block-free polyolefin hot melt adhesive for the manufacture of sealing tapes for the closure of sacks made of wovens.

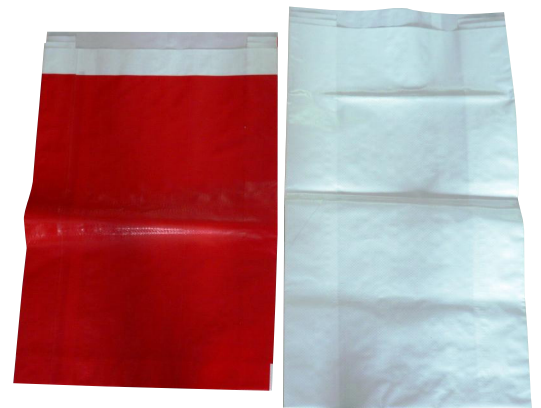
Polymer basis	PO
Viscosity at 190 °C	14,000 mPas
Density	0.90 g/cm ³
Processing temperature	170 - 190 °C
Softening point	110 °C (ring and ball)
Supply form	granulate



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Polyolefin hot melt adhesive for bonding wovens.

Polymer basis	PO
Viscosity at 180 °C	12,500 mPas
Density	0.90 g/cm ³
Processing temperature	170 - 190 °C
Softening range	100 °C (Kofler bench)
Supply form	granulate



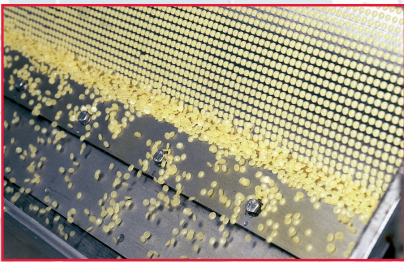
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Polyurethane adhesive for the manufacture of carrier bags made of wovens.

Polymer basis	Polyurethane
Viscosity at 130 °C	14,000 mPas
Density	1.05 g/cm ³
Processing temperature	110 - 140 °C
Reaction time	approx. 3 d
Supply form	can, canister



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