

NEWS

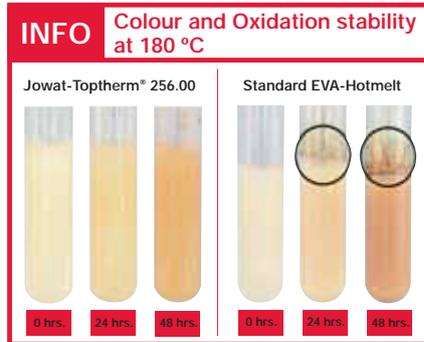
Jowat-Toptherm®

One innovation product - five advantages

The high-performance Jowat-Toptherm® packaging adhesives have been developed on the basis of a completely new polymer technology. These multi-purpose products have many application possibilities, and are superior to conventional EVA-based hot melts in several aspects, whether for tray erecting, carton closing, wrap-around, or for bonding high-quality folding boxes and difficult surfaces.

Top 1: Outstanding colour and oxidation resistance

The picture on the right gives an impressive illustration of the superior thermal stability. Jowat-Toptherm® leads to reduced down times of the machines, this will lead to considerable savings. While the EVA hot melt adhesive exhibits visible cracking after 48 hours at 180 °C, as can be seen from the outlined area in



the picture, Jowat-Toptherm® will only show a very minor discoloration. Any down times of the machines due to cleaning operations (for instance nozzle clogging, deposits in the tank or in the hoses) are practically eliminated.

Top 2: Extremely minimal steam and odour emissions

When these products are used to package candy or food, any intensive odour of auxiliary products may lead to problems with the packaged goods. Since Jowat-Toptherm® products are almost odourless and clear they represent a real solution to this problem. The operators handling these materials have also responded in a positive way to the improved odour situation.

Top 3: Superior flexibility at low temperatures

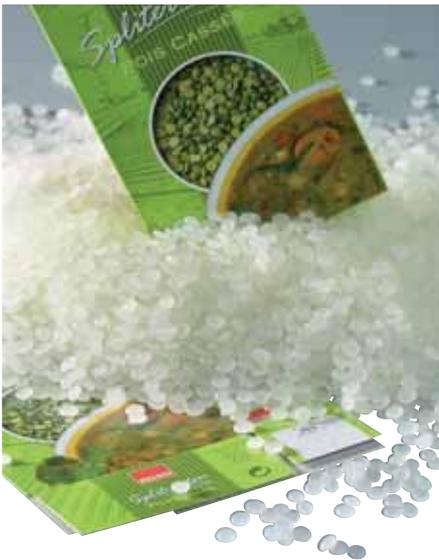
The new polymer basis of these adhesives makes it extremely flexible at low temperatures. This is why Jowat-Toptherm® hot melts led to an immediate and positive response by several customers from the packaging sector of refrigerated and frosted food.

Top 4: Excellent adhesion - minor application amounts

When Jowat-Toptherm® is compared to conventional EVA hot melts used for standard bonding procedures, separation test results show a much deeper paper tear even when the adhesive grammage is very minor. When surfaces are bonded which have adhesion difficulties, like folding boxes with highgloss laminated surfaces, the superior tack clearly shows the advantages (see photo below to the right).

Top 5: Overall advantage – savings

Jowat-Toptherm® combines reliable processing with excellent adhesive performance, superior heat and colour stability, excellent flexibility at low temperatures, and possible adhesive savings, to make these products multi-purpose packaging adhesives which will help to reduce costs.



JN-E037 08/2007

First class bonding

Jowat®
Klebstoffe