

Custom Thermoformer Improves Quality & Productivity by Switching to HYTAC[®] XTL

A leading North American thermoforming company recently made the switch from HYTAC WF to HYTAC XTL. The reasons for doing so highlight the dual advantages of aligning the choice of plug material with the rest of the thermoforming variables. In this case, the processor found a high rate of inconsistency across the plug surfaces which led to a higher rate of part failure.

The project in question was a PVC blister. “We were losing consistency between the plugs,” said the plant engineer. “When we had to polish them, we had no stability from one plug to the other because the material was too brittle.” Losing uniformity of the plug surface across a multi-cavity tool will result in a higher standard deviation of material distribution from part to part.

The company consulted with CMT and discussed the different material properties of the various grades of HYTAC. After internal review, they decided to choose HYTAC XTL because of its durability and ease of processing.

“We love the new material [HYTAC XTL]. It is really easy to machine without coolant. With the WF material, it was tough to machine because it was really abrasive and rough on the cutting tools. On the thermoforming side, we see a much greater consistency between the plugs and it helps us a lot on the finished product.”

The results speak for themselves: fewer tools to machine the plugs with faster processing times.

What does your plug do for you?



REASON #4: IMPROVE CYCLE TIMES

HYTAC[®] syntactic foam plugs do not require pre-heating and remain dimensionally stable during use. This allows for faster start-up times and maximizes throughput and cuts waste.