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## Syntactic Material Improves Thermoforming at Alloyd Company

(Attleboro, MA August, 2001) -- *HYTAC<sup>®</sup>-B1X*, a thermoplastic syntactic foam offered by CMT Materials, Inc., Attleboro, MA, has improved Alloyd's plug assist thermoforming operations. *HYTAC<sup>®</sup>-B1X* combines the toughness, strength and machining ease of a polymer with the low thermal conductivity, low specific heat and low coefficient of thermal expansion of hollow glass sphere filled syntactic foam.

The Alloyd Company of DeKalb, Illinois was among the first companies to investigate *HYTAC<sup>®</sup>-B1X*. Alloyd manufactures commercial blister packaging and medical heat sealing machines, as well as custom thermoformed packaging and form tooling. According to Barry Osborn, Alloyd's Tooling Manager, "We have used *HYTAC<sup>®</sup>-B1X* for the past 18 months in our six US facilities without a problem. Not even a single plug requiring repair". Alloyd liked the way the material machined, especially when building tools requiring fine detail, such as the long thin plugs for toothbrush and pen packages. *HYTAC<sup>®</sup>-B1X* was able to maintain its dimensional stability without warping over time when thermoforming PVC, PET and PETG sheet at high forming temperatures.



Shown in the accompanying photo is an example of a plug assist produced by Alloyd for a medical packaging application. This female plug is used for catheter packaging.

*HYTAC<sup>®</sup>* is a registered trademark of CMT Materials. *HYTAC<sup>®</sup>-B1X* is patent pending.  
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