

# NEW PRODUCT ANNOUNCEMENT FROM CMT MATERIALS, INC.



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## TWO NEW GRADES OF AIR PERMEABLE MATERIAL AVAILABLE FOR THERMOFORM MOLDS

(Attleboro, MA June 15, 2004) -- CMT Materials, Inc., Attleboro, MA, and PORTEC, LTD., Winterhur, Switzerland have announced the introduction of two new grades of the popular METAPOR<sup>®</sup> porous tooling material. Molds made with METAPOR eliminate the need for vacuum drill holes by providing uniform venting over the entire surface of the tool, resulting in faster evacuation and improved cycle times. Thermoformed parts with higher definition and better surface quality are attained.

METAPOR HD 210 has been formulated to provide the temperature resistance and superior surface required for production tooling. The improved temperature resistance to 210°C, (409° F), allows for the processing of higher temperature polymer systems such as polypropylene and acrylics, and improved resistance to tool degradation due to the effects of temperature over time for the forming of standard sheet materials. The high-density surface is ideal for forming transparent parts with sheet such as polycarbonate.



New PROTOBLOCK is a cost effective alternative to conventional materials for prototype thermoforming molds. Easily machined with standard cutting tools, PROTOBLOCK provides the thermoformer with a means to quickly produce precise, detailed parts. This unique combination of resin and inorganic granules yields a micro-porous structure that can be used to form parts in short run environments. This inexpensive product will also find use in vacuum table and vacuum clamping applications.

METAPOR HD 210 and PROTOBLOCK are available in standard sheet sizes of 500 mm x 500 mm, (19.7 in x 19.7 in). Sheet thickness range from 10 mm to 400 mm, (0.4 in –15.7 in). Both products are stocked at CMT's Attleboro, Massachusetts facility for immediate shipment throughout the US, Canada and Mexico.

METAPOR<sup>®</sup> is a registered trademark of Portec, Ltd.

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