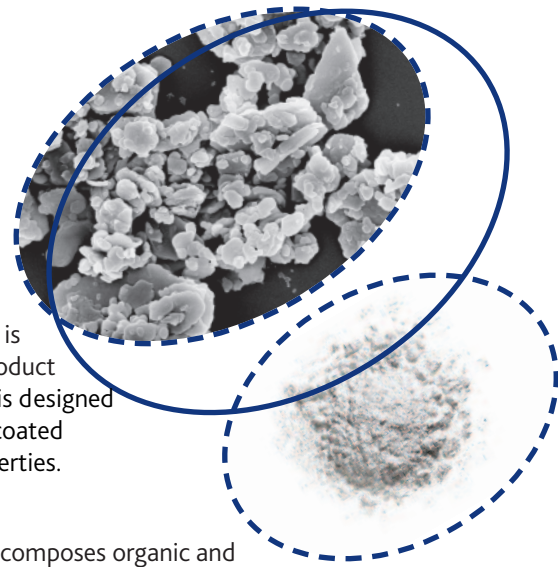GREEN AS WHITE CAN BE

THERMAPRINT™ 400

- THERMA-PRINT™ 400 is a calcined kaolin for direct thermal and thermal transfer paper coatings
- With a controlled pore structure that maximizes the microporosity, it is designed to provide the right coating and surface structure
- THERMA-PRINT™ 400 will improve coating coverage, control ink absorbency and improve thermal print properties

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Kaolin

IMERYS KAOLIN IS THE GLOBAL LEADER IN HIGH QUALITY KAOLINS FOR PAPER

THERMA-PRINT™ 400 is a high brightness, calcined kaolin for thermal paper coatings. It is made via a precisely controlled thermal process using a select kaolin feed. The resulting product has a controlled pore structure that maximizes the microporosity. THERMA-PRINT™ 400 is designed to provide the right coating and surface structure for thermal transfer and direct thermal coated printing papers. THERMA-PRINT™ 400 improves coverage, ink absorbency and print properties.
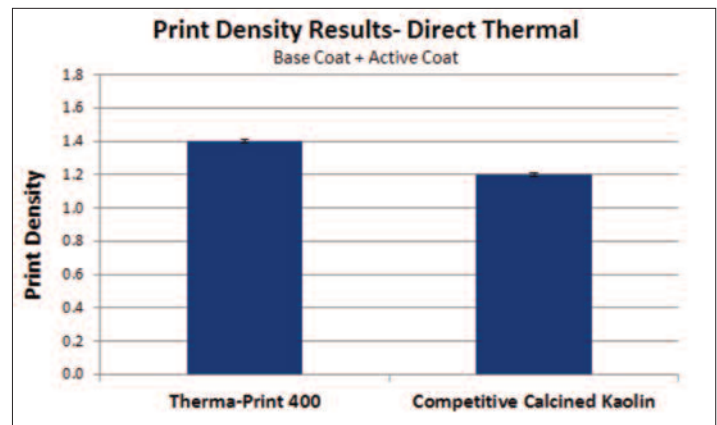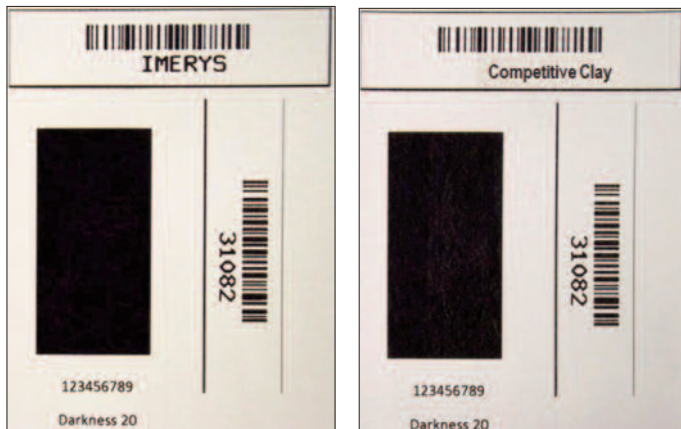
CALCINED CLAY FOR THERMAL PAPER COATINGS

Calcining kaolin at elevated temperatures breaks down its original crystal structure and decomposes organic and other impurities in the kaolin. Calcined clay has a uniform, fine particle size and exhibits excellent dispersability. Calcined clay also provides substantial heat insulating properties (low thermal conductivity) in a paper coating.

THERMA-PRINT™ 400 helps thermal printing by providing the appropriate coating and surface structure for direct thermal and thermal transfer coated printing papers. The low thermal conductivity of THERMA-PRINT™ 400 and overall pigment packing structure also provides improved thermal print quality.

- Improves coverage, ink absorbency and print properties of the coating layer.
- For thermal transfer printing it provides a smooth coating layer and an open micro-porous surface which allows efficient melting and attachment of the wax-based inks and avoids thermal curling.
- For direct thermal printing it contains the heat in the dye layer and does not allow it to spread, which means a more efficient dye activation and an improved print quality and optical density.

THERMA-PRINT™ 400 showed significant improvement in the print density and overall print quality compared to a competitive product.

For further information about THERMA-PRINT™ 400, please contact your Imerys sales representative who will be able to assist you.

MORE INFORMATION

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