

GREEN AS WHITE CAN BE 

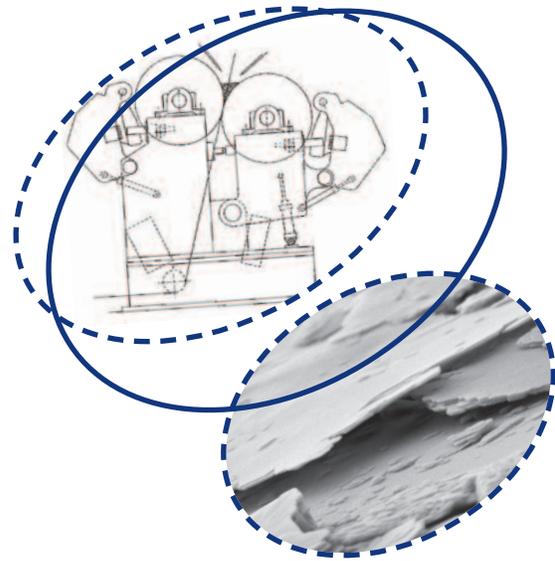
PLATY KAOLINS FOR THE SIZE PRESS

- Utilize large kaolin plates to improve smoothness, stiffness and porosity of your coated board
- Improve coating hold out to either reduce binder or coat weight
- Reduce calendering to produce bulkier board and improve fiber yield
- Improve smoothness and porosity of the back side of your board for printability or specialty barrier applications

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HIGH QUALITY PLATY KAOLINS FROM THE US & BRAZIL

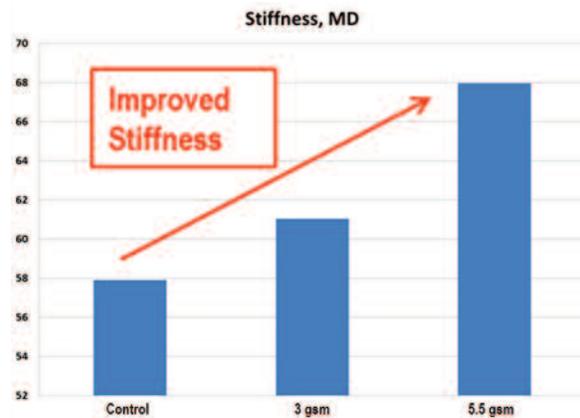
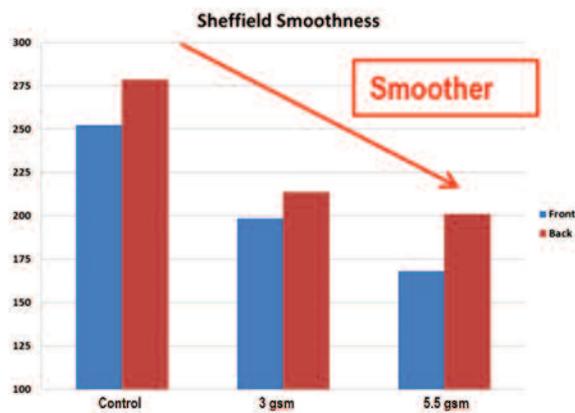
Kaolin is commonly added to the size press in a wide variety of specialty paper grades to improve smoothness, porosity and printability. However, Imerys' platy kaolins can increase these benefits even further. In coated board grades where multiple coating layers are applied, platy kaolin in the size press can dramatically improve the sheet surface before these coatings are applied. In specialty grades, this will give better holdout and printability when the sheet is extruded with PE or another material.



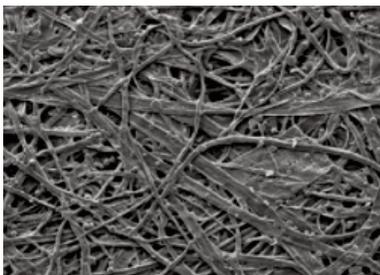
Two of the key benefits of platy kaolin are improved smoothness and stiffness. The smoothness effect from the size press will improve the smoothness of the final coated sheet, which could mean less calendering. The stiffness benefit will allow you to reduce caliper at equivalent bending stiffness. The combination of these two effects could allow you to produce a bulkier board, which means you can increase machine speeds and improve fiber yield. In addition, the improved porosity should provide better holdout of the precoat, which should reduce binder loss into the base sheet or reduced coat weight.

An extra benefit of the kaolin applied to the backside of the board is the improved smoothness and porosity. This can bring extra functionality, like barrier properties or printability on the back side

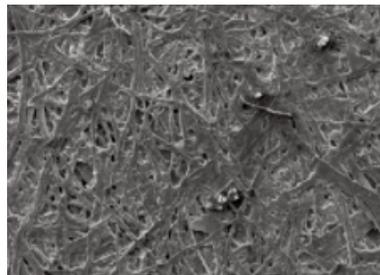
Improve smoothness & stiffness on SBS Board using ETYPE kaolin in size press



- Control system is ethylated starch
- 2:1 starch/kaolin ratio
- Kaolin added at two addition levels - 3 and 5.5 gsm
- Improved PPS Roughness, MD Stiffness and Gurley Porosity
- Value potential: 1) Reduce calendering and increase bulk 2) Reduce binder 3) Reduce coat weight



Control, starch only



5.5 gsm Kaolin

MORE INFORMATION

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