















































Conclusions

- The internal curing efficiency of pulp fiber relates more strongly to their physical morphology than to their variations in chemical composition.
- HR water content could be a meaningful parameter for the assessment of pulp fibers as internal curing agents.
- HR water content, appears to be related to increasing cell wall thickness.



Conclusions

- Soda fibers with higher HR water content exhibited better autogenous mitigating efficiency.
- For hardwood pulp fibers, a slower moisture release rate appears to be more favorable for internal curing.
- Confirming observations in other research, the dispersability of the internal curing agent was found to affect the fiber capacity for mitigating autogenous shrinkage.

Georgia Tech





