



## Effect of Biopolymer Latex on Properties of Coated Paper

By Srikanth Narayanan

LAP Lambert Academic Publishing Mrz 2015, 2015. Taschenbuch. Book Condition: Neu. 220x150x5 mm. This item is printed on demand - Print on Demand Neuware - The main focus of this work is to study the substitution of synthetic latex with natural bio polymer latex which was produced from tapioca starch. The study approach is a systematic simple design of experiment to conduct the research as mentioned. The parameter varied in proportions are addition of bio polymer latex with two other synthetic latex namely SB and SA. As noted that the bio polymer latex in top coat applications can be substituted up to 50-75% against synthetic binders such as SB and SA latex respectively. The main reasons are ease of coating formulations; good rheology behavior, controlled ink absorption and good dry pick strength of paper. In contrast, Bio polymer latex has potential to replace 100% of synthetic binder (5-7 parts) in the pre-coating application were co-binders such as CMC and HEC are not required. It is noted that combined use of synthetic and bio polymer latex exhibits many advantages in terms of printing and surface properties. The amount of bio polymer latex and synthetic binder ratios can be selected depending upon the final quality of...



**READ ONLINE**  
[ 6.86 MB ]

### Reviews

*This written publication is wonderful. It really is loaded with knowledge and wisdom You will not really feel monotony at at any time of your time (that's what catalogues are for relating to if you ask me).*

-- **Desmond Becker**

*Absolutely essential go through publication. I am quite late in start reading this one, but better then never. You will not feel monotony at at any time of the time (that's what catalogues are for regarding if you ask me).*

-- **Ambrose Thompson II**

## Other PDFs



### **My Life as an Experiment: One Man s Humble Quest to Improve Himself by Living as a Woman, Becoming George Washington, Telling No Lies, and Other Radical Tests**

SIMON SCHUSTER, United States, 2010. Paperback. Book Condition: New. Reprint. 212 x 138 mm. Language: English . Brand New Book. One man. Ten extraordinary quests. Bestselling author and human guinea pig A. J. Jacobs puts his life to the test and reports...



### **Index to the Classified Subject Catalogue of the Buffalo Library; The Whole System Being Adopted from the Classification and Subject Index of Mr. Melvil Dewey, with Some Modifications .**

Rarebooksclub.com, United States, 2013. Paperback. Book Condition: New. 246 x 189 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This historic book may have numerous typos and missing text. Purchasers can usually download a free scanned copy of the...



### **Ne ma Goes to Daycare**

AUTHORHOUSE, United States, 2015. Paperback. Book Condition: New. 216 x 216 mm. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.This book is about a little biracial (African American/Caucasian) girl s first day of daycare and preparing her for kindergarten....



### **The Kid Friendly ADHD and Autism Cookbook The Ultimate Guide to the Gluten Free Casein Free Diet by Pamela J Compart and Dana Laake 2006 Hardcover**

Book Condition: Brand New. Book Condition: Brand New.



### **Growing Up: From Baby to Adult High Beginning Book with Online Access**

Cambridge University Press, 2014. UNK. Book Condition: New. New Book. Shipped from US within 10 to 14 business days. Established seller since 2000.



### **Baby Bargains Secrets to Saving 20 to 50 on Baby Furniture Equipment Clothes Toys Maternity Wear and Much Much More by Alan Fields and Denise Fields 2005 Paperback**

Book Condition: Brand New. Book Condition: Brand New.