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""COMPOSITE MULTILAYER COATINGSFOR IMPROVED BARRIER PROPERTIESOF PACKAGING BOARD""; ""Abstract""; ""Introduction""; ""Paperboard Laminates""; ""Barrier Coating of Paperboard""; ""Water Vapour Barrier""; ""Oxygen Barrier""
""Water Absorption and Surface Hydrophobicity""""Converting of Coated Paperboard""; ""Barrier Materials for Paperboard""; ""Synthetic Materials""; ""Biobased Materials""; ""Reinforcement of Polymer Coatings""; ""Experimental""; ""Substrate""; ""Coating Materials""; ""Characterization of Composite Formulations""; ""Viscosity""; ""Charge Density""; ""Surface Tension of Coating Formulations""; ""Laboratory Coating""; ""Water Vapour Transmission Rate""; ""Oxygen Transmission Rate""; ""Interaction with Liquid Water""; ""Surface Energy""; ""Surface Gloss""; ""Results and Discussion""; ""Viscosity""
""Charge Density and Zeta Potential""""Wettability of Primary and Secondary Layers""; ""Coat Weight and Thickness""; ""Barrier Properties""; ""Water Vapour Barrier""; ""Oxygen Barrier""; ""Water Absorption and Surface Hydrophobicity""; ""Surface Gloss""; ""Wettability Problems and Effects on Barrier Properties""; ""Environmental Aspects on Materials Choice""; ""Conclusion""; ""References""; ""SIMULATION OF ULTIMATE STRENGTHOF FIBER-REINFORCED COMPOSITES BY MEANSOF BRIDGING MICROMECHANICS MODEL""; ""Abstract""; ""1. Introduction""; ""2. Stress Analysis""; ""2.1. Lamina Analysis""
""2.1.1. Basic Formulae of the Bridging Model""
