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VALORIFICATION OF WOOD WASTES

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Abstract

Lignosulfonates, derivatives of lignin - component of wood are obtained as wastes from paper industry. This paper presents some possibilities of valorification of metal complexed lignosulfonates as partners in polycondensation reactions, in order to obtain new adhesives for wood industry based on urea-formaldehyde, phenol-formaldehyde, melamine-urea-formaldehyde and phenol-resorcinol-formaldehyde with lignin derivatives: ammonium, calcium and iron and chromium lignosulfonates, as partial substitutes for phenol and formaldehyde.

Keywords: metal complexed lignosulfonates, wood adhesives
