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SYNTHESIS, STRUCTURE AND PROPERTIES OF LIGHT COLOR BISPHENOL PHENOLIC RESIN MODIFIED BY OLEIC ACID AND ROSIN

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Abstract: A resin with properties of fast drying, good glossiness, good water-, acid-, and alkaline-resistance was synthesized from oleic acid, rosin, bisphenol A and pentaerythritol. Optimum conditions were studied and the products were analysed by FTIR and TGA.

Key words: oleic acid; rosin; bisphenol-A; pentaerythritol synthesize; phenolic resin

快 讯

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中国林科院林产化工研究所松脂化学研究室主任宋湛谦研究员于 1999 年当选为中国工程院院士。宋湛谦 1964 年毕业于中国科学技术大学, 1983~ 1984 年和 1996 年分别在美国加州大学伯克利分校、北卡州立大学和美国农业部林产品研究所工作。1986 年被授予《国家级有突出贡献中青年专家》称号。他长期从事松脂化学和深加工利用及松树分类研究工作。发表论文 90 篇, 著作 1 部《中国松脂特征与松属分类》。

Prof. SONG Zhan-qian, the director of Section of Oleoresin Chemistry in Research Institute of Chemical Processing and Utilization of Forest Products, CAF, was selected as a member of Chinese Academy of Engineering which is China's topping academic and advisory institution in engineering and technological science in 1999. He was graduated from University of Science and Technology of China in 1964 and worked in UC-Berkeley NCSU-Raleigh and Forest Products Laboratory of USDA in 1983~ 1984 and 1996. He has been engaged in research work in chemistry and deep-processing utilization of gum oleoresin, and pine taxonomy for 36 years. Ninety papers and one book were published.

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