

Preparation and characterization of some more soluble polyester-imides for electrotechnical use

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Abstract Ester-imide oligomers soluble in more solvents were obtained replacing ethylene glycol by neopentylglycol and using an adequate amount of dimethylterephthalate. They were characterized by solubility, IR spectra, molecular weight, glass transition temperature and heat resistance. Curing by heating results in polyester-imides with higher heat resistance, dependent on the nature of glycol and the amount of dimethylterephthalate.

Keywords: polyester-imides, neopentylglycol, dimethylterephthalate, heat resistance.
