



Effect of Plasticizer on Polyblends of Acrylonitrile - Butadiene Rubber (NBR) and Polyvinyl Chloride (PVC)

Sanjay Dutt Kaushik

Department of Chemistry, Lajpat Rai College, Sahibabad, Ghaziabad, **INDIA**

Email: sdkaushik.11@gmail.com

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ABSTRACT

Polyblends of NBR/PVC were prepared in the various compositions. The NBR/PVC ratio was varied from 75:25 to 25:75 (w/w). The Dibutyl phthalate was used as liquid plasticizer and Zinc stearate was used as stabilizing agent. The effect of Dibutyl phthalate in polyblends of NBR/PVC was studied. Dibutyl phthalate was found to be efficient as plasticizer as evidenced by the Mooney viscosity, tensile and swelling behavior of the polyblends.

Keywords: NBR/PVC Polyblend, Plasticizer, Dibutyl phthalate, Zinc Stearate, Mooney viscosity, Tensile strength, swelling.
