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Polyamide 66/ ricinoleic acid- ethylene ethyl acrylate (PA 66/ EEA-R.Acid) MWNT blend Nanocomposites

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Abstract : Polyamide 6,6/ Ricinoleic acid (R.Acid)- Ethylene ethyl acrylates (PA 6,6/EEA-R.Acid) blends and their nanocomposites were prepared by melt compounding using a twin screw extruder and also were prepared by melt compounding PA 6,6/EEA-Ricinoleic acid with Multi wall carbon nanotubes (MWNT), To investigate tensile test and impact test of Mechanical Properties, The analysis PA 6, 6 is increases with incorporation of the EEA-Ricinoleic acid 15 Wt (%) present in the PA 6,6 matrix and the various parts of the MWNTs.

Keywords : EEA-R.Acid; PA66, Mechanical Properties.

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