

Speciality products from chemical recycling of pre consumer plastic wastes

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A significant quantity of pre consumer plastic wastes are available from the plastics processing and production industries which are clean as well as devoid of various additives and hence provide an added advantage during chemical recycling since no purification steps are involved .These can be very useful resources for production of specialty products, which are usually obtained from petroleum. These industry wastes when depolymerized/degraded in the presence of additives produce products which are chemically similar to petroleum products and have identical physical and performance properties.