Abstract Template

Title: REGENERATING POLYMERS

[1]BETA HELTHCARE PRODUCTS PVT.LTD

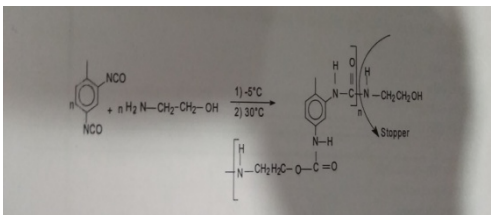
Keywords: PUU- Poly urea ureathane

I. Abstract Body (up to 250words)

Now a days the world facing an important criticize due to the presence of undegradable plastics, vehicle glass wastes about more than thousand years needed to decompose , why so many glass wastes are produced? Only one reason is the lack of reusability . A small crack will be formed to the glasses ,what will be do? The only solution is replace the glass. Here the regeneration polymer will be remove such kind of situations .The will contain an ability to regenerate the crack will be regenerate at sufficient condition. Poly urea urethane contain an ability to regenerate. Reaction of TDI as AA+ monomer with 2-EA to prepare linear poly urea urethane.The synthesis of aeromatic hyperbrached polymer starts through the reaction of the one of the isocyanate group of AA+ monomer with amine or hydroxyl groups at B*B_2 monomer. At 200^{o}C the remaining un reacted cyanide groups will be start propagation process . This will lead to regenerate. So any type of crack will be formed on the poly urea urethane based glass give at a suitable temperature of 200^{o}C to the affected area the cracked portion will be regenerate, So this finding will be really help to reduce the pollution.

II. Image:

III.



Reference:

1 *R• Owens, Katherine (October 23, 2017). "A new polyurethane-based material could mean self-hardening, almost impenetrable helmets". Defense Systems. Retrieved August 30, 2018.*

2 *Hsieh, Alex; Orlicki, Joshua; Beyer, Rick (March 2009). "Molecular Design of Novel Poly(urethane-urea) Hybrids as Helmet Pads for Ballistic and Blast Trauma Mitigation". U.S. Army Research Laboratory – via Defense Technical Information Center.*

3 *Hsieh, Alex; Sarva, Sai; Rice, Norman (September 2009). "Improved Dynamic Strain Hardening in Poly(Urethane Urea) Elastomers for Transparent Armor Applications". U.S. Army esearch Laboratory.*

IV. Biography:

BIBIN SAJAN has completed his Diploma in polymer technology at the age of 21 years from kerala technical education University.Then started work at BETA HEALTHCARE PRODUCTS PVT.LTD Kerala in the position of chemist.Allied academie selected my abstract for oral presentation on Germany.PremC annic 2018 accepted my abstract to present oral presentation.

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