VERSION TO SHOW CHANGES MADE

Please amend the following with added new claims 15-30

1. (Original) A process for producing polyamideimide comprising using at least one aprotic dialkylamide solvent.

2. (Original) The process of Claim 1 wherein the solvent is N-acetyl morpholine.

3. (Original) The process of Claim 1 wherein the solvent is diethyl acetamide.

4. (Original) The process of Claim 1 wherein the solvent is di-N-propyl acetamide.

5. (Original) The process of Claim 1 wherein the solvent is N-formyl morpholine.

6. (Original) The process of Claim 1 wherein the solvent is diacetylpiperazine.

7. (Original) The process of Claim 1 wherein the solvent is N,N-diisopropylacetamide.

8. (Original) The process of Claim 1 wherein the solvent is di-N-butylacetamide.

9. (Original) The process of Claim 1 wherein the solvent is di-N-propylacetamide.

10. (Original) The process of Claim 1 wherein the solvent is N-propionyl morpholine.

11. (Original) The process of Claim 1 wherein a ratio of aprotic dialkylamide to other process co-solvents is from about 19:1 to about 1:1.

12. (Original) The process of Claim 1 where the molar ratio of aprotic dialkylamides to other solvents is from 78:22.

13. (Original) The process of Claim 4 wherein the co-solvents are selected from the group of water, o-xylene, triethylamine, dimethylethanolamine, morpholine, N-methylmorpholine, acetone, trimethylamine, tripropylamine, diethylamine, diisopropylamine, and caprolactam.

14. (Original) The polyamideimide product produced by the process of claims 1-13.

CLAIMS

We claim:

1. A process for producing polyamideimide comprising using at least one aprotic dialkylamide solvent, wherein the at least one aprotic dialkylamide solvent includes N-acetyl morpholine, diethyl acetamide, di-N-propyl acetamide, N-formyl morpholine, diacetylpiperazine, N,N-diisopropylacetamide, di-N-butylacetamide or N-propionyl morpholine;

wherein a ratio of the at least one aprotic dialkylamide solvent to other process co-solvents is between 19:1 and 1:1; and

wherein the other process co-solvents are selected from the group consisting of water, o-xylene, triethylamine, dimethylethanolamine, morpholine, Nmethylmorpholine, acetone, trimethylamine, tripropylamine, diethylamine, diisopropylamine, and caprolactam.

2. The process of Claim 1 wherein the ratio of the at least one aprotic dialkylamide solvent to the other process co-solvents is between 80:20 and 70:30.

3. The process of Claim 1 wherein a molar ratio of the at least one aprotic dialkylamide solvent to the other process co-solvents is 78:22.

4. The process of Claim 1, comprising: reacting a methylene diphenyl diisocyanate with a trimellitic anhydride (TMA) in the presence of the at least one aprotic dialkylamide solvent.

5. The process of Claim 4, wherein reacting the methylene diphenyl diisocyanate with the TMA comprises using a molar ratio of a total amount of the at least one aprotic dialkylamide solvent to a total amount of the other process co-solvents that is 78:22.

6. The process of Claim 4, wherein the methylene diphenyl diisocyanate is 4,4'-methylene diphenyldiisocyanate (MDI).

7. The polyamideimide product produced by the process of claims 1 through 6.