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Rheokinetics

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STELLINGEN

behorende bij het proefschrift

Rheokinetics

Mario Cioffi

1. Rheokinetics is the discipline that provides kinetic information or data from the measurement of rheological properties during the polymerization.
2. The Trommsdorff effect is highly undesirable in industrial applications. It results in hot spots and erratic behavior, which worsens the quality of the end product, and even may lead to reactor explosion.
3. The Trommsdorff effect can be reduced when the polymerization is performed at high shear rates (*this thesis*).
4. During bulk free radical polymerization the normal force begins to be significant when the conversion and the entanglements between the random coils are high enough to give rise to the Trommsdorff effect (*this thesis*).
5. The possibility that thermodynamic restraints prevent the conversion of the monomer from being complete should not be ruled out, especially if the polymerization is performed under shear flow (*this thesis*).
6. The work of technicians in scientific research is of primary importance. Unfortunately, academicians often have the pretentious tendency to treat technical problems as something boring that sometime somehow will be solved.
7. Green technology is at the moment just a dream in the hands of a bunch of researchers. A sustainable use of non-green technology is a dream that everybody can make come true everyday.
8. One victim is always a tragedy. Sometimes many victims become cold statistics.

9. There is no law that can solve the problem of separating the economic power from the political power. Only voters can.
10. Tax evasion is a very mean form of selfishness.
11. Strikes are often considered as something useless and annoying. They are sometimes. They remain, however, one of the pillars of democracy.
12. A fourth year promovendus is not a human being. He/she is an automatic machine that converts coffee and frustration into failed experiments and useless computer files.
13. There are four different forms of ignorance. Knowing that you do not know. Not knowing that you do not know. Not knowing that you know. Thinking that you know when you actually do not.
14. There are two forms of freedom: “freedom of” and “freedom from”. How much of the former must we give up in order to secure the latter?
15. A human being can go very far especially when he does not know where he is going.