CHAPTER IV

CONCLUSION

1. Young's Modulus increases with aging time and the weight percentage of SAN .

2. The moment creep curves exhibit a universal shape independent of chemical structure, thermal history and test temperature as same as Struik and others researchers found, and this experiment we can also conclude that they are independent of the composition in PMMA/SAN blends and the cooling rate.

3. The retardation time, t_0 depends on the to aging time, t_a, the temperature difference, T_g-T, the composition of PMMA/SAN blends and the cooling rate.

4. SAN-rich blends can go to the equilibrium state faster than PMMA-rich blend (μ of SAN-rich blend are more than μ of PMMA-rich blend).

5. The higher cooling rate, the higher shift rate, μ.

6. β are approximately 0.40 for pure polymers, a result which is the same as Struik and other researchers found, but β may vary in the range 0.17-0.32 for different compositions and cooling rate .