CORRECTIONS

Alexey V. Lyulin, David Adolf,* and Geoffrey R. Davies: Computer Simulations of Hyperbranched Polymers in Shear Flows. Volume 34, Number 11, May 22, 2001, pp 3783−3789.

Pages 3788−3789. The following information is the *corrected* version of section 3C for this paper.

C. Hydrodynamic Radius. Further information regarding the shape of the simulated HPs is obtained through the ratio of the hydrodynamic radius, R_h, to the radius of gyration, R_g. The ratio R_g/R_h varies from 0.778 for homogeneous hard spheres to greater than 1.5 for linear polymer chains.[27] This ratio is plotted in Figure 6 as a function of the degree of branching of the HP in the absence of shear flow, where the hydrodynamic radius is calculated as an average of eqs 7 and eq 8. The lines join data with the same value of N and serve as a guide to the eye. The plot reveals that, for each value of N, the value of R_g/R_h is smallest for the dendrimer with a general increase toward values near 1 as the degree of branching decreases to a DB value of 0.20. This behavior is in reasonable agreement with the findings of Ishizu et al.[28] on hyperbranched polymers derived from poly(4-methylstyrene)-*block*-polystyrene where values from 0.96 to 1.18 were obtained.

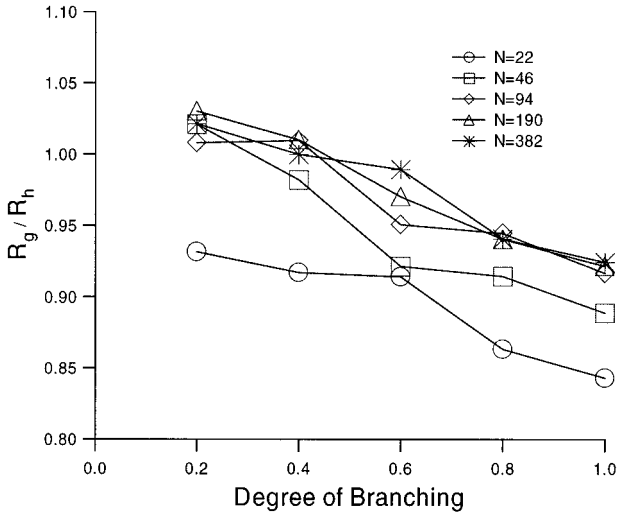

Figure 6. Dependence of the ratio R_g/R_h on the degree of branching at various values of N. Lines connecting symbols are drawn as a guide to the eye.

References and Notes

(27) Burchard, W. *Adv. Polym. Sci.* **1999**, *143*, 113.
(28) Ishizu, K.; Takahashi, D.; Takeda, H. *Polymer* **2000**, *41*, 6081.

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MA012485X

10.1021/ma012485x
Published on Web 11/08/2001