

facial contacts,<sup>42</sup>  $\epsilon$  may approach the ratio of the respective surface areas of a sphere and an extended chain. In this case  $\epsilon$  should be in proportion to  $(\text{mol wt})^{-1/3}$  and a plot of  $\log \epsilon$  vs.  $\log M$  should form a straight line of slope  $-1/3$ . Figure 4, in which the dashed line has  $-1/3$  slope, demonstrates reasonable agreement with this hypothesis. However, more evidence is needed

before any firm conclusions about the phenomenon can be made.

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