

Supplementary Materials

New Approach to Preparation of Heat-Resistant “Lola-M” Fiber

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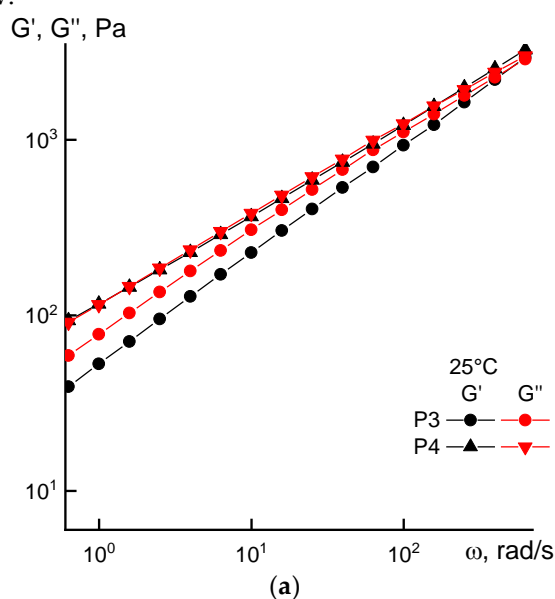
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1. G' and G'' Data for P3 and P4 Solutions

G' and G'' data for P3 solution heated at 60 °C, 2.5 h, compared to fresh solution at 60 °C and G' and G'' data for P3 solution at 25 °C compared with P3 solution after 25 °C, 12 h (which is actually P4 solution) are shown below.



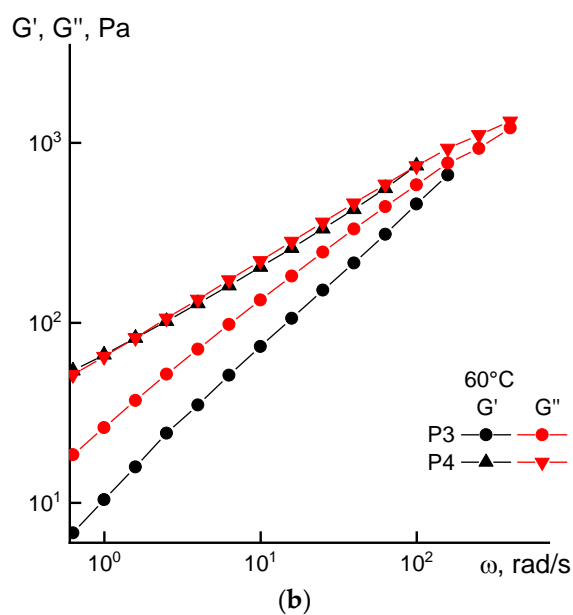


Figure S1. G' and G'' data for P3 and P4 solutions (a) 25 °C, (b) 60 °C

2. Flow Time for P3

Flow times (Ubbelohde viscometer) for P3 solution for different concentrations are shown below in the table.

Table S1. Flow time for P3

c, g/mL	t, s
0	123
0.13	175
0.3	258
0.51	385
1.04	937

3. Exponential Increase of Viscosity

Both solutions, P1 and P3, upon heating at 60 °C show exponential-like molecular weight increase with the extent of conversion, since this is a condensation polymerization. Data for complex viscosity change are shown below.

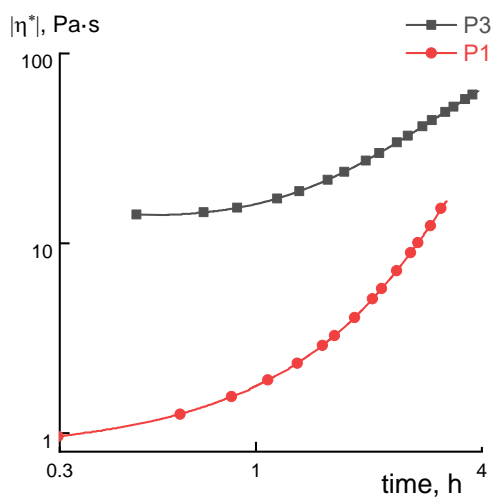


Figure S2. Exponential increase of viscosity



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