a
Mix A
Mix B
Energy transferred (J/g)
300
200
100
0
0
16
32
48
Time (h)
b
Mix A
Mix B
Rate of heat evolution (J/g/h)
30
20
10
0
1
2
3
4
5
0
16
32
48
Time (h)
c
Mix A G'
Mix B G'
Mix C G'
Mix A G''
Mix B G''
Mix C G''
G', G'' (Pa)
10^8
10^7
10^6
10^5
10^4
0
2000
4000
6000
Time (seconds)
d
G*
δ
G* (MPa), δ (°)
30
25
20
15
10
5
0
Mix A
Mix B
Mix C