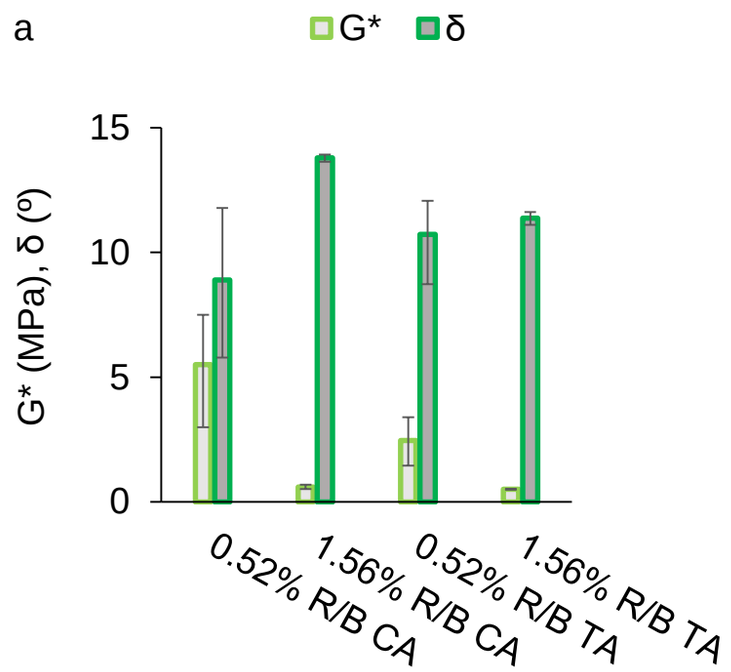
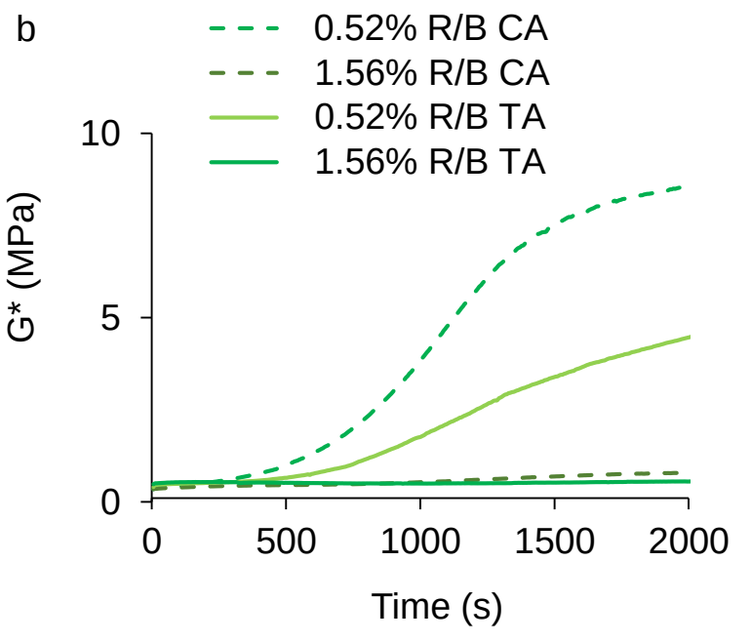
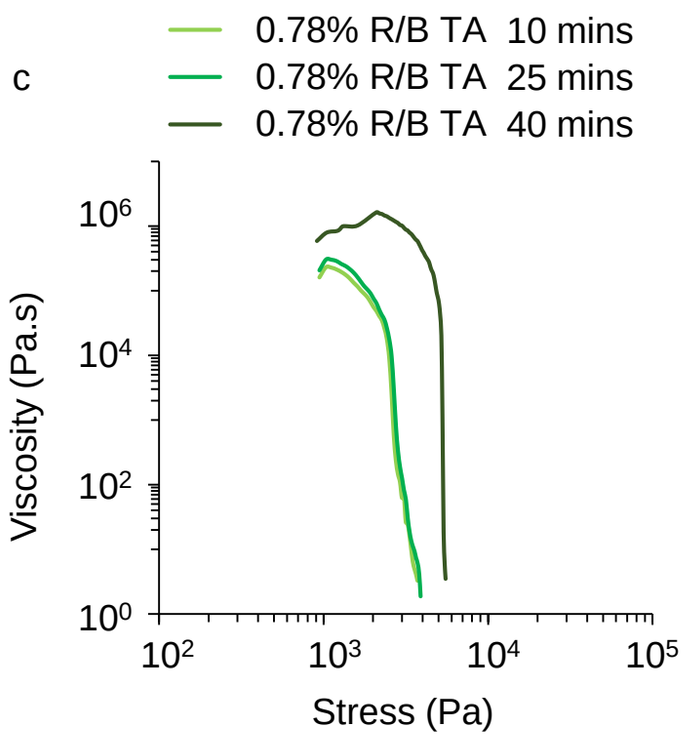
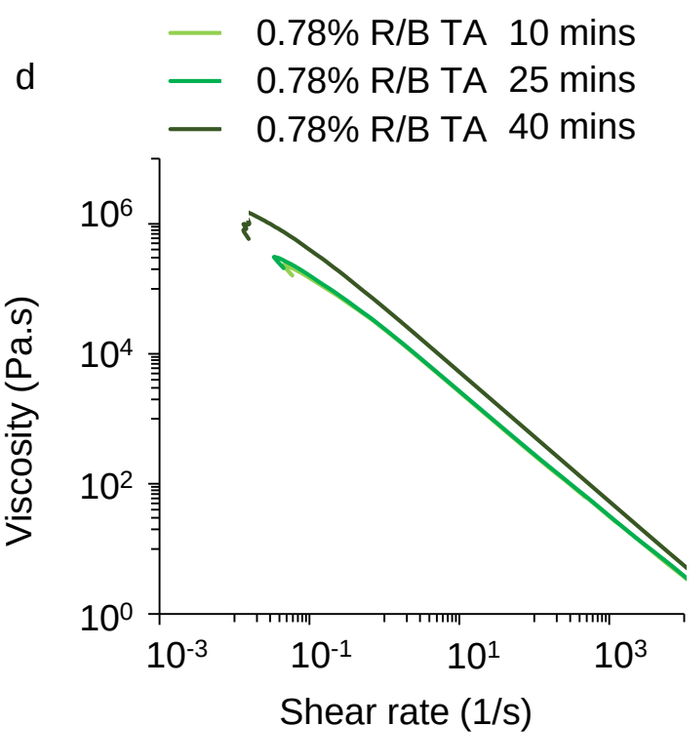
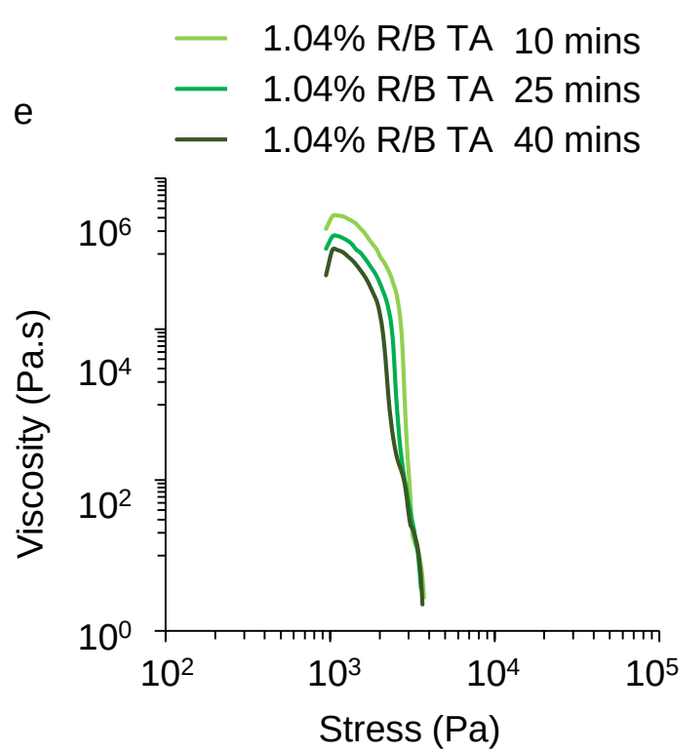
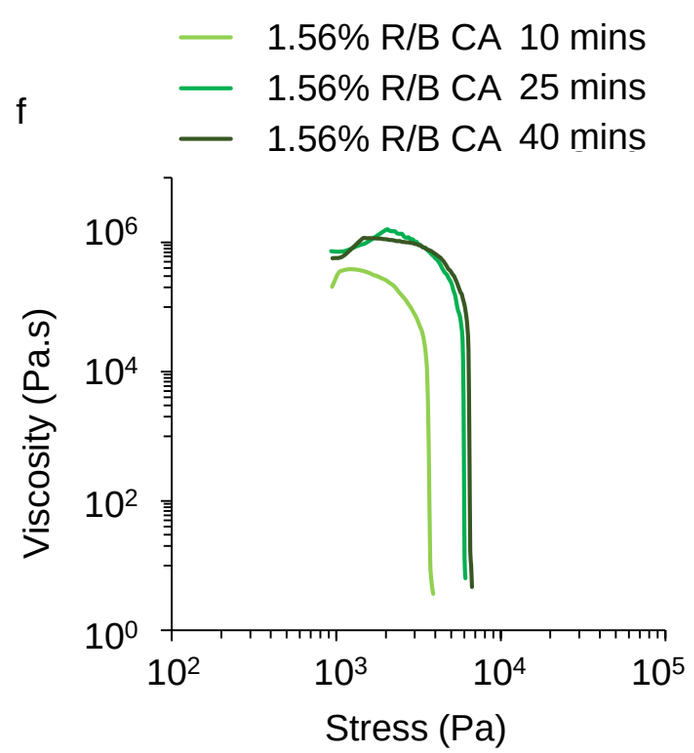

a
G*
δ
G* (MPa), δ (º)
15
10
5
0
0.52% R/B CA
1.56% R/B CA
0.52% R/B TA
1.56% R/B TA


b
0.52% R/B CA
1.56% R/B CA
0.52% R/B TA
1.56% R/B TA
G* (MPa)
10
5
0
0
500
1000
1500
2000
Time (s)


c
0.78% R/B TA 10 mins
0.78% R/B TA 25 mins
0.78% R/B TA 40 mins
Viscosity (Pa.s)
10^6
10^4
10^2
10^0
10^2
10^3
10^4
10^5
Stress (Pa)


d
0.78% R/B TA 10 mins
0.78% R/B TA 25 mins
0.78% R/B TA 40 mins
Viscosity (Pa.s)
10^6
10^4
10^2
10^0
10^{-3}
10^{-1}
10^1
10^3
Shear rate (1/s)


e
1.04% R/B TA 10 mins
1.04% R/B TA 25 mins
1.04% R/B TA 40 mins
Viscosity (Pa.s)
10^6
10^4
10^2
10^0
10^2
10^3
10^4
10^5
Stress (Pa)


f
1.56% R/B CA 10 mins
1.56% R/B CA 25 mins
1.56% R/B CA 40 mins
Viscosity (Pa.s)
10^6
10^4
10^2
10^0
10^2
10^3
10^4
10^5
Stress (Pa)