

Supporting information

Molecular dynamics study of polyisoprene-polystyrene composites: spatial complementary behavior†

Xu Liu,^a Shuai Leng,^a Qianqian Zhang,^a and Yongbing Xue^{*b}

^a*Qingdao Ecostar Technology Co., Ltd., Qingdao 266400, China.*

^b*College of Chemical and Biological Technology, Taiyuan University of Science and Technology, Taiyuan 030021, China.*

Corresponding: tykjdxxyb@163.com (Y. Xue)

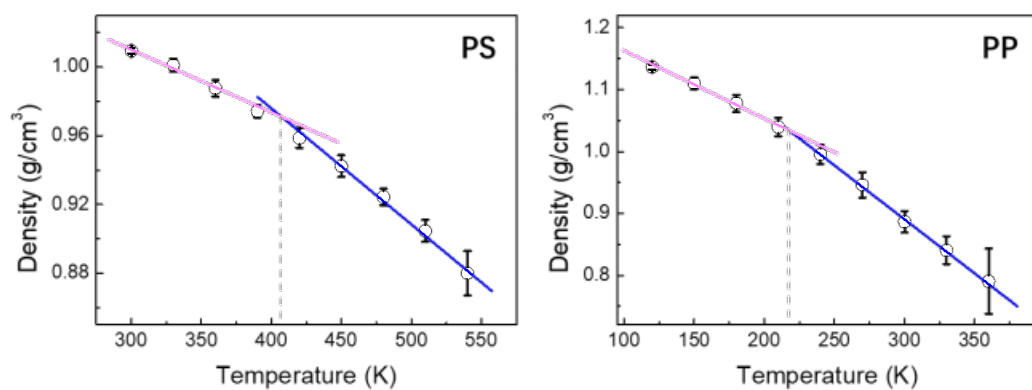


Figure S1. The glass transition temperature for PP and PS.

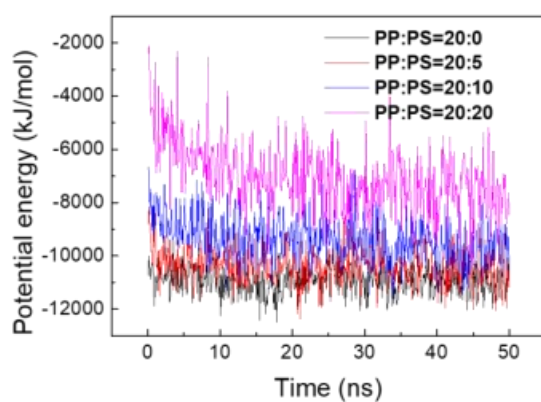


Figure S2. Time evolutions of potential energy of different mixed ratios.

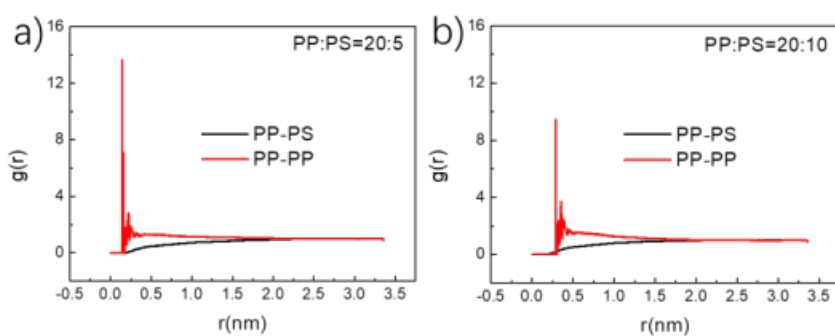


Figure S3. Radial distribution function of PP-PS and PP-PP for PP:PS=20:5 (a) and 20:10 (b).

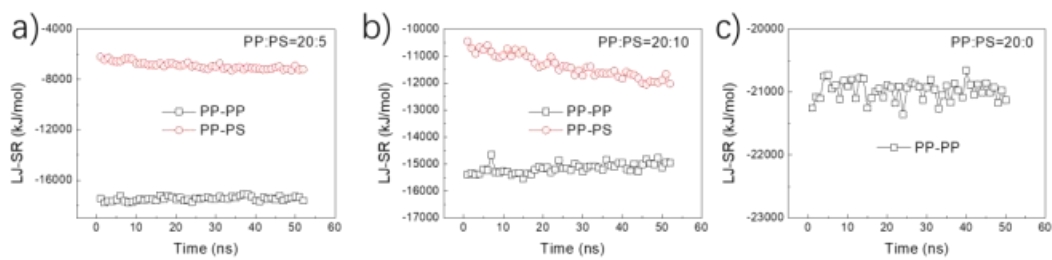


Figure S4. Time evolutions of LJ potential energy for different mixed ratios, 20:5 (a) , 20:10 (b), 20:0 (c), respectively.

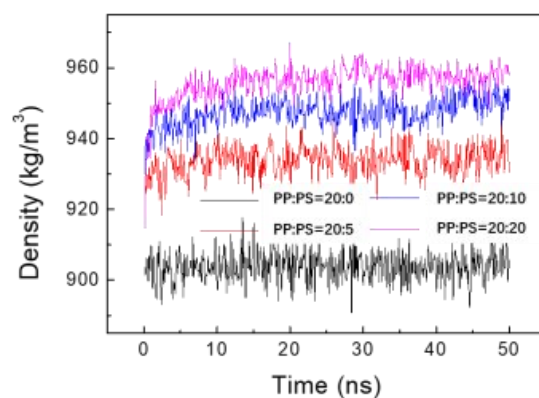


Figure S5. Time evolutions of density for different mixed ratios.

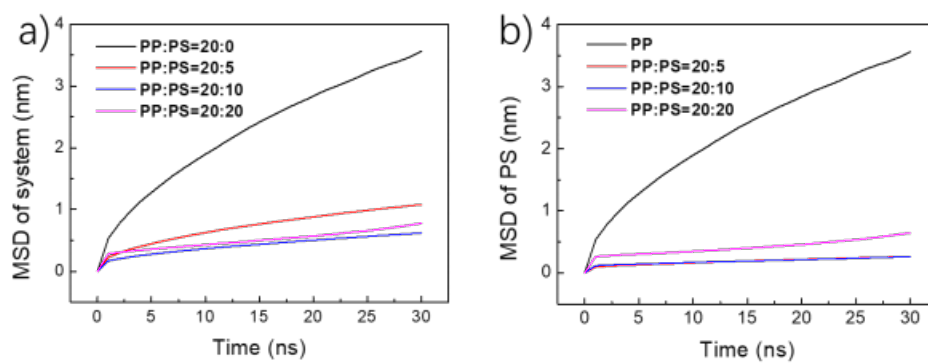


Figure S6. Mean square displacement of system and PS for different mixed ratios.