Supporting information

Influences of sodium dodecyl sulfate on vulcanization behavior and mechanical performance of EPDM/graphene oxide nanocomposites

Ahmad Allahbakhsh 1,*, Saeedeh Mazinani 2

1 Young Researchers and Elite Club, Shiraz Branch, Islamic Azad University, Shiraz, Iran.

2 Amirkabir Nanotechnology Research Institute (ANTRI), Amirkabir University of Technology, Tehran, Iran.

*Corresponding Author: ahmad.allahbakhsh@gmail.com, a.allahbakhsh@modares.ac.ir

Figure S1 FTIR spectrum of GO nanosheets
**Figure S2** Torque vs. time curves of EPDM (a) and EPDM/3phr GO nanocomposite (b)
Figure S3 Reaction rate (dθ/dt) as a function of reaction degree (θ) curves of EPDM/3phr GO-SDS at different vulcanization temperatures
Figure S4 Arrhenius plot of rate constants of Isayev-Deng model nth order reaction