

Supporting Information:

Porous Silicone Rubber Composite Supported 1,4-Diphenylethynyl Benzene for Hydrogen Absorption with Pd/C Catalyst

Yu Wang ¹, Tao Xing ^{2,*}, and Lifeng Yan ^{1,*}

¹ Department of Chemical Physics, University of Science and Technology of
China, Hefei 230026, China; wy1998@mail.ustc.edu.cn (Y.Wang); and

lfyan@ustc.edu.cn (L. Yan)

² Institute of System and Engineering, China Academy of Engineering Physics, 64

Mianshan Road, Mianyang 621900, China; 412xingt@caep.cn

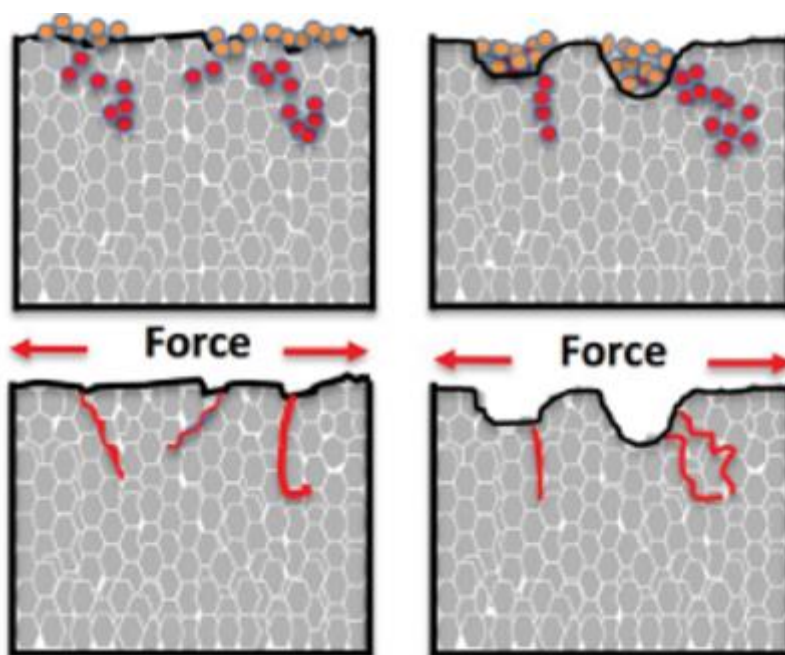


Figure S1. Mechanism of hydrogen corrosion of materials.

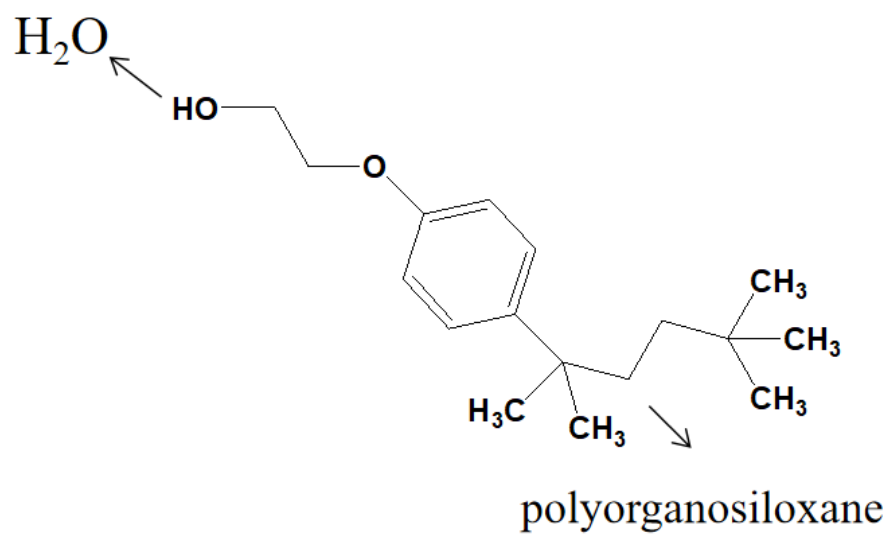


Figure S2. Structural formula of triton X-100.

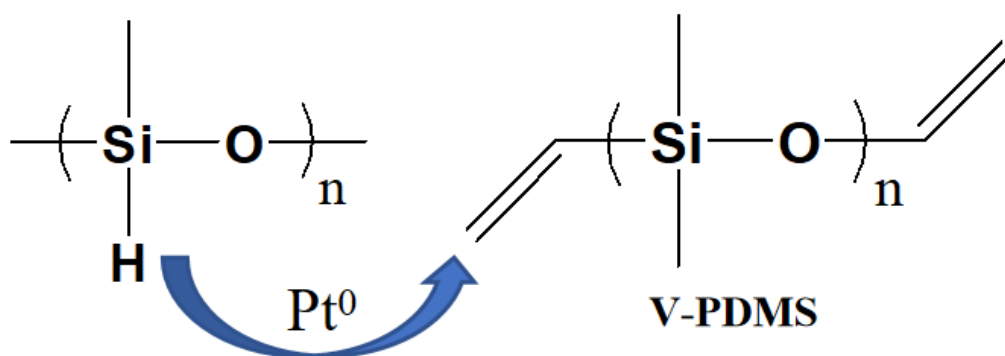


Figure S3. Mechanism of hydrosilylation.