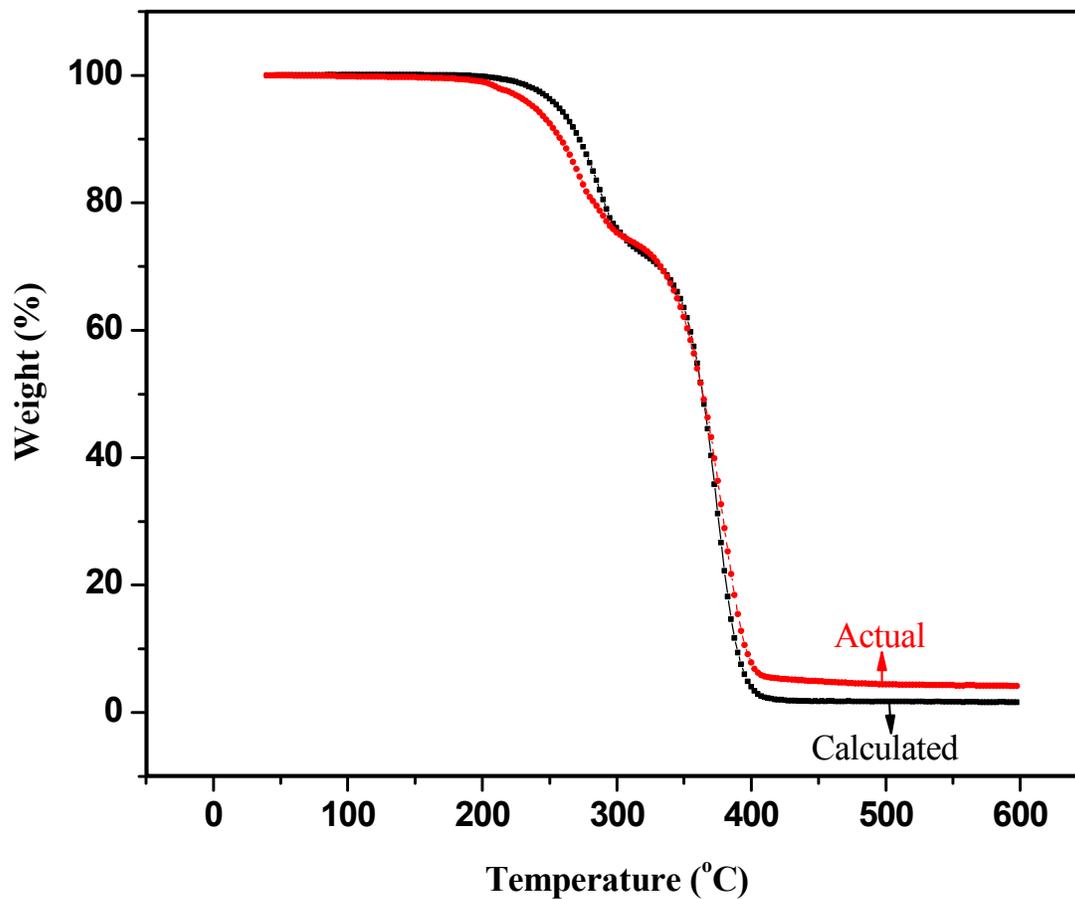


Halogen-free Flame-retardant Flexible Polyurethane Foam with a Novel Nitrogen-Phosphorus Flame Retardant

Ming-Jun Chen, Zhu-Bao Shao, Xiu-Li Wang, Li Chen, Yu-Zhong Wang**

Center for Degradable and Flame-Retardant Polymeric Materials, College of Chemistry, State Key Laboratory of Polymer Materials Engineering, National Engineering Laboratory of Eco-Friendly Polymeric Materials (Sichuan), Sichuan University, Chengdu 610064, China

The residue at the same temperature of FPUF-20 was calculated by the formula as follows: $W(\text{pure FPUF}) \times 0.88 + W(\text{FPUF-20}) \times 0.12$. The calculated TG curve and the actual TG curve of FPUF-20 are shown in the following Figure.



Supplementary figure 1. The calculated TG and the actual TG curves of FPUF-20.