

Supporting information for

**Combined effect of α -nucleating agents and glass fiber
reinforcement for polypropylene composite-a balanced
approach**

*Corresponding author: Prof. Yagang Zhang

Tel: +86-18129307169; Fax: +86-991-3838957; E-mail: ygzhang@ms.xjb.ac.cn

Table of content

| | |
|--|---|
| Melting behavior of TMA-3/PP, TMA-3/GF/PP, TMP-6/PP and TMP-6/GF/PP | 2 |
| Crystallization behavior of TMA-3/PP, TMA-3/GF/PP, TMP-6/PP and TMP-6/GF/PP | 2 |
| Effect of the α -NAs (TMA-3 and TMP-6) and GFs on the crystal structure of PP | 2 |

Melting behavior of TMA-3/PP, TMA-3/GF/PP, TMP-6/PP and TMP-6/GF/PP

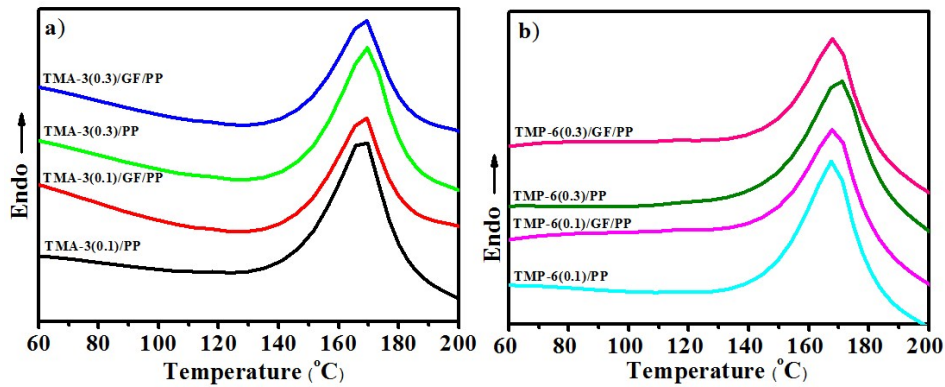


Fig S1 DSC heating curves for TMA-3/PP, TMA-3/GF/PP, TMP-6/PP and TMP-6/GF/PP at 10 °C/min

Crystallization behavior of TMA-3/PP, TMA-3/GF/PP, TMP-6/PP and TMP-6/GF/PP

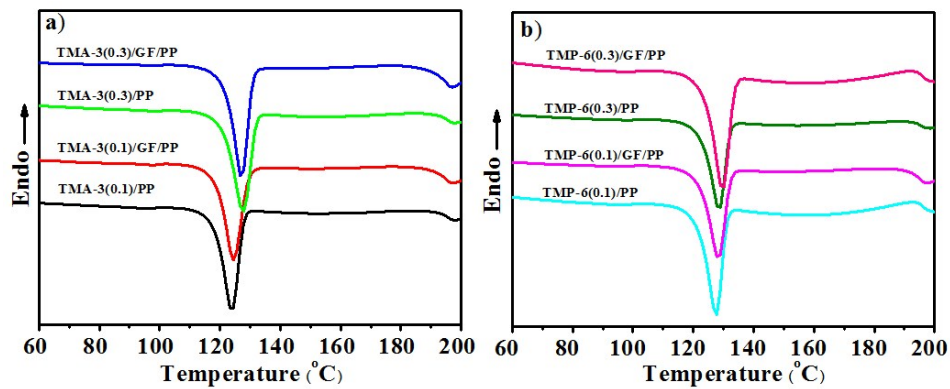


Fig S2 DSC crystallization curves for TMA-3/PP, TMA-3/GF/PP, TMP-6/PP and TMP-6/GF/PP at 5 °C/min

Effect of the α -NAs (TMA-3 and TMP-6) and GFs on the crystal structure of PP

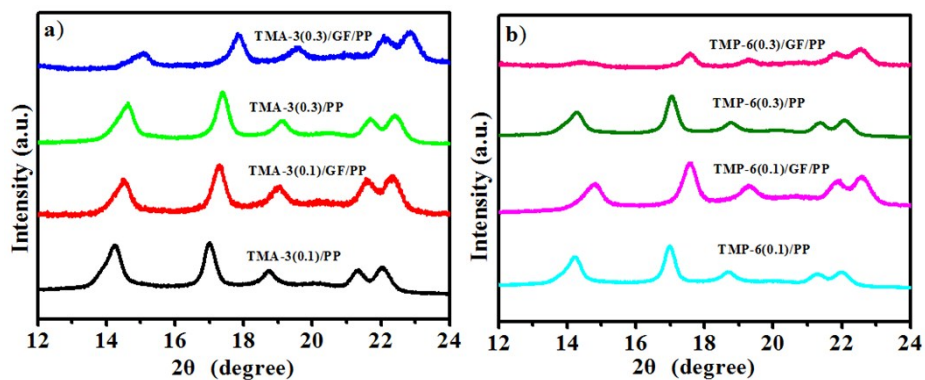


Fig S3 WAXD patterns for TMA-3/PP, TMA-3/GF/PP, TMP-6/PP and TMP-6/GF/PP