SUPPORTING INFORMATION

Rubber-silica nanocomposites obtained by *in-situ* sol-gel method: particle shape influence on the filler–filler and filler-rubber interactions.

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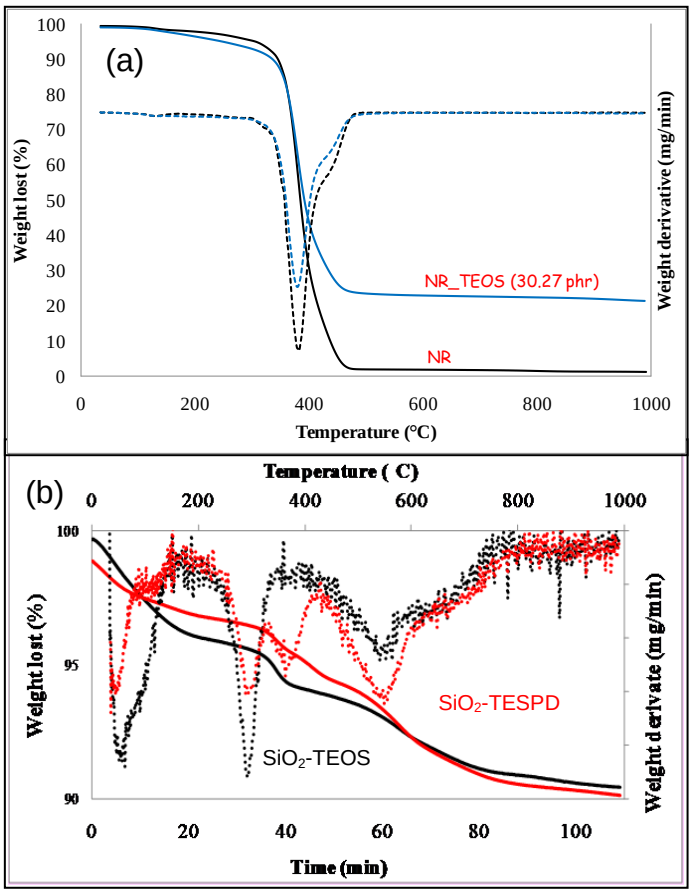

Figure S1 TGA profiles of (a) NR-TEOS composite in air flow in comparison with NR; (b) SiO_2-TESPD and SiO_2-TEOS powders in nitrogen flow.

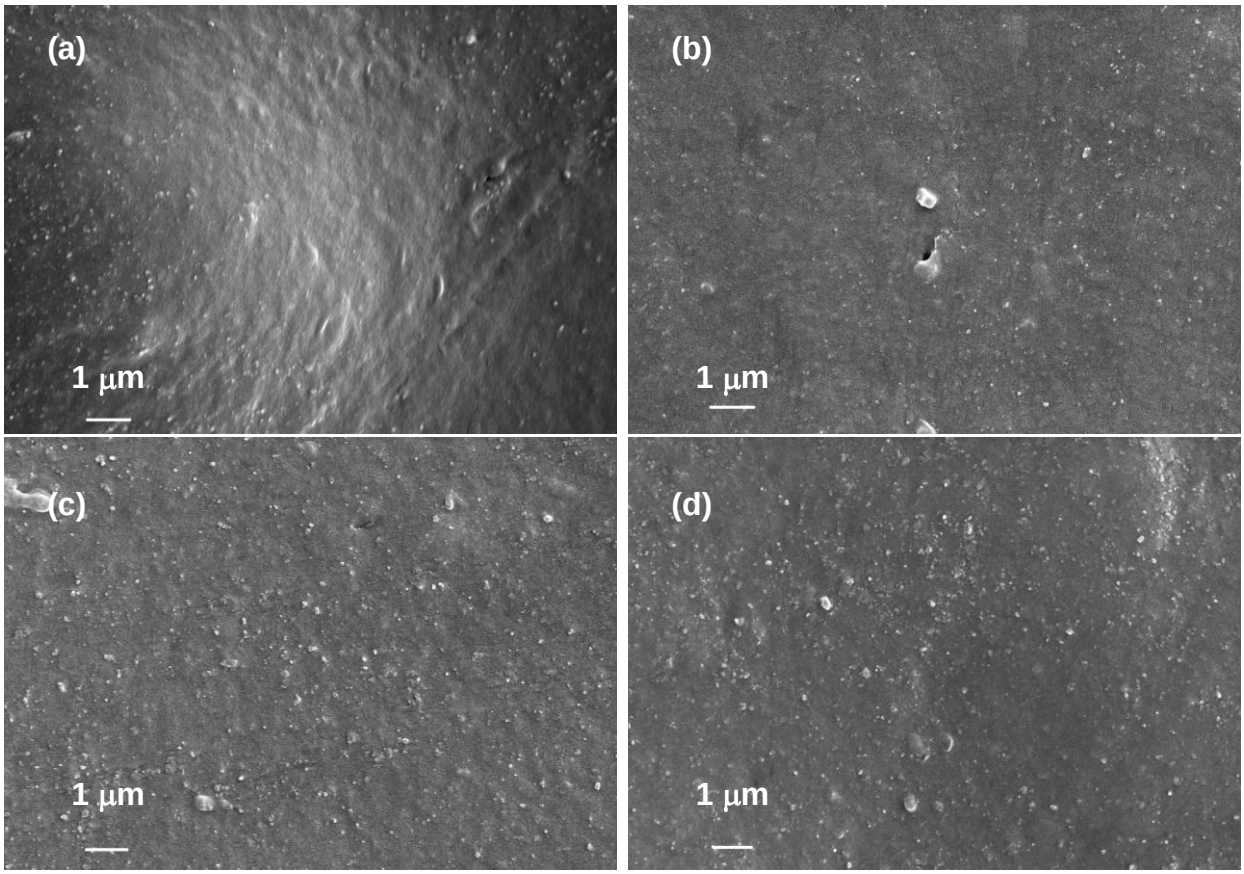

Figure S2 SEM micrographs of vulcanized composites (a) V-NR-TEOS; (b) V-NR-TMSPM-2; (c) V-NR-TESPD-2; (d) V-NR-TESPT-2.

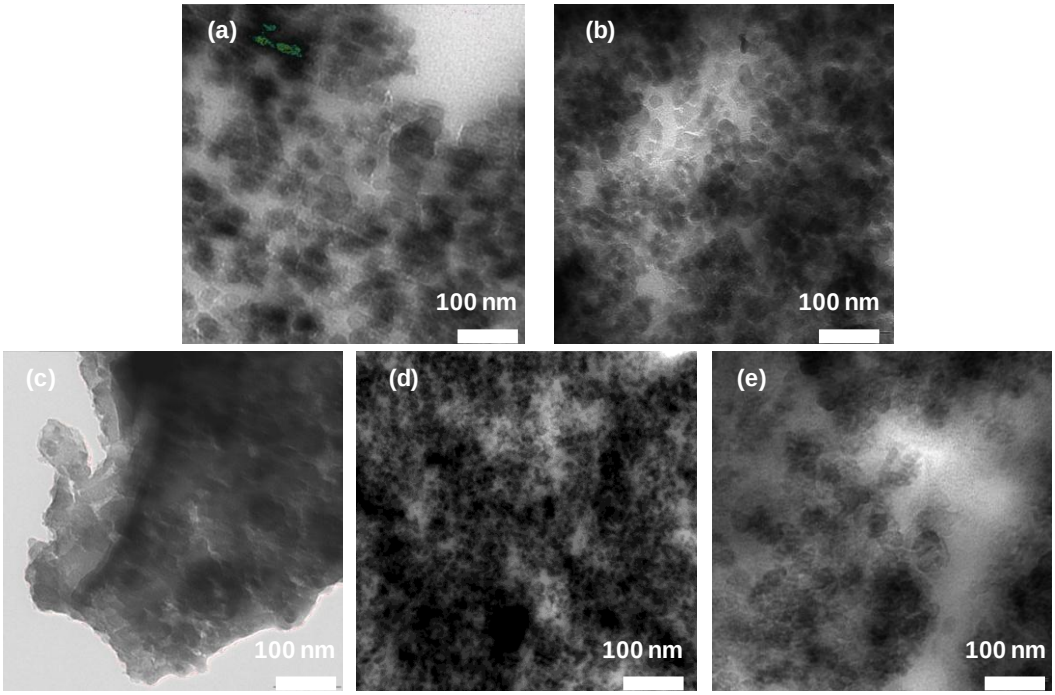

Figure S3 TEM images of vulcanized a) V-NR-SiO2; b) V-NR-TEOS; c) V-NR-TESPD-2; d) V-NR-TESPT-2; e) V-NR-TMSPM-2.

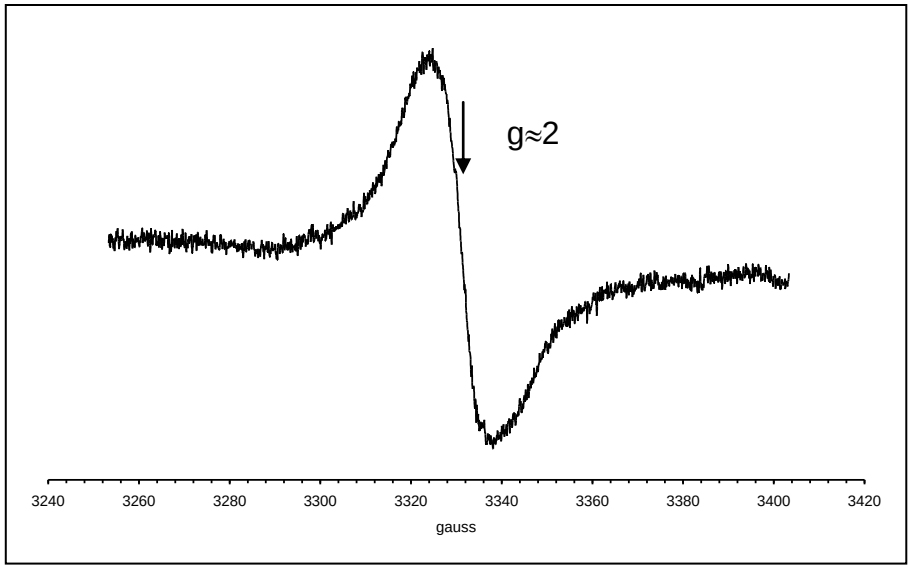

Figure S4 ESR spectrum of NR-TMSPM-2 composite.