Supporting Information

Properties of silicone rubber-based composites reinforced with few layer graphene and iron oxide or titanium di oxide

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Properties of filled RTV-SR composites

Filler dispersions

Filler dispersions in RTV-SR composites at a loading of 20 phr were assessed by SEM (Figure S1) and by elemental mapping. Figure S1 shows that filler particles were uniformly dispersed in the RTV-SR matrix. In high-resolution SEM images, filler particles are indicated by arrows.

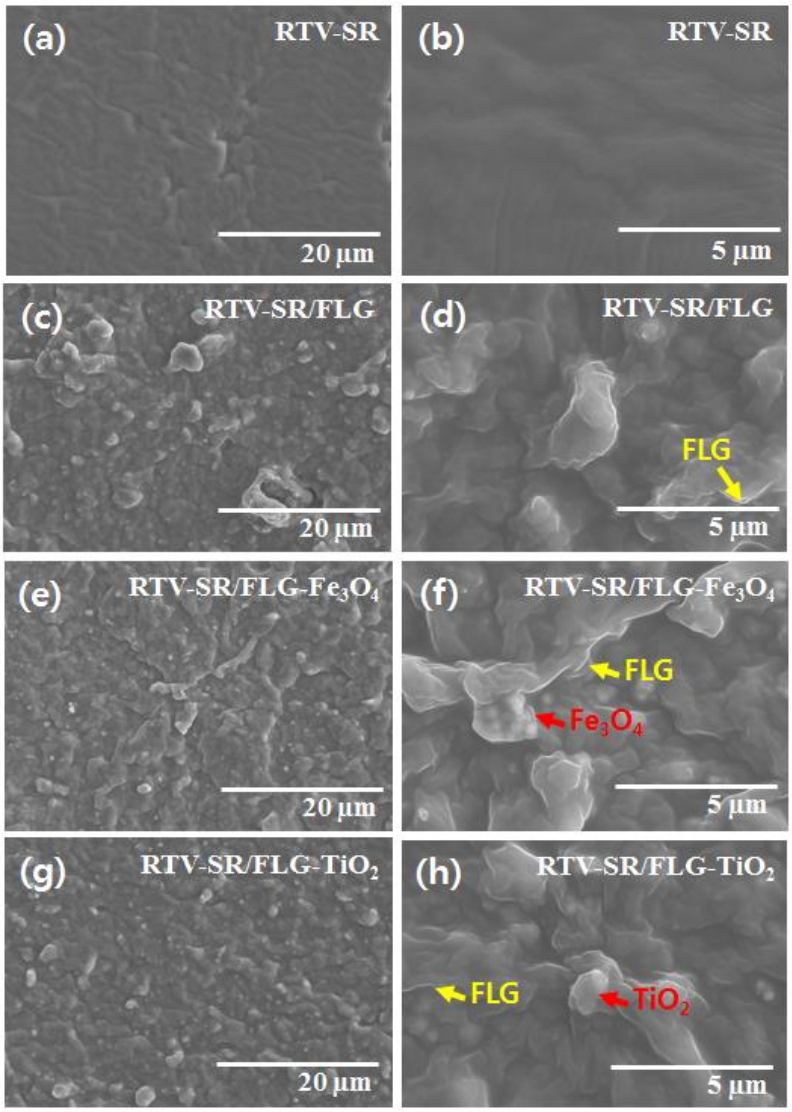

Figure S1. SEM micrographs at different resolutions at a filler loading of 20 phr: (a,b) unfilled RTV-SR matrix, (c,d) RTV-SR/FLG, (e,f) RTV-SR/FLG-Fe_3O_4, and (g,h) RTV-SR/FLG-TiO_2