JOURNAL ARTICLES

1. Optimization of mixing conditions for silica-reinforced natural rubber tire tread compounds
   W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

2. Optimization of rubber formulation for silica-reinforced natural rubber compounds
   W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

3. Factors influencing the flocculation process in silica-reinforced natural rubber compounds
   W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

4. A review on reinforcement of natural rubber by silica fillers for use in low-rolling resistance tyres
   S.S. Sarkawi, W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

5. Synergistic effects of epoxide functionality groups on natural rubber and silane coupling agents on reinforcing efficiency of silica
   W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

6. Role of different functionalities in silane coupling agents on reinforcement efficiency of silica-filled natural rubber compounds
   W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer
   *Compos. Sci. Technol.*, *in preparation*.

7. Use of disulfide-based silane coupling agent with compensation of sulfur for silica-filled natural rubber compounds
   W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer
   *Compos. Sci. Technol.*, *in preparation*.

8. Alternative secondary accelerator for silica-filled natural rubber formulations
   W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

9. Verification of interactions between silica and epoxidized squalene as a model for epoxidized natural rubber
W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

PRESENTATIONS

1. Optimization of mixing conditions for silica-reinforce natural rubber compounds
W. Kaewsakul, K. Sahakaro, J.W.M. Noordermeer

2. Optimization of mixing conditions for silica-reinforce natural rubber tire tread compounds
W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer
The Fall 180th Technical Meeting of the Rubber Division of the American Chemical Society, Inc., Cleveland, Ohio, October 11-13, 2011.

3. Effect of various factors on the suppression of flocculation process in silica-reinforced natural rubber compounds
W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

4. Factors influencing the flocculation process in silica-reinforced natural rubber compounds
W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

5. Silica-reinforced natural rubber tire tread compounds: a challenge for more sustainable road transportation
W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

6. Simultaneous reactions during mixing of TESPT-silica-filled natural rubber compounds
W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

7. Flocculation kinetics and filler-rubber interaction in silica-reinforced natural rubber compounds
W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer

8. Silica-reinforced natural rubber compounds for low rolling resistance tire treads
W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer
National Symposium on Polymeric Materials (NSPM), Penang, Malaysia, October 3-5, 2012.

9. Modified natural rubber: Structure, Properties and Applications
W. Kaewsakul, K. Sahakaro, W.K. Dierkes, J.W.M. Noordermeer
The Dutch Society of Plastic and Rubber Technologists (VKRT) Meeting, Utrecht, the Netherlands, December 13, 2012.