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*Supplementary Materials*

# The Relationship between the Morphology and Elasticity of Natural Rubber Foam Based on the Concentration of the Chemical Blowing Agent

**Supitta Suethao [1], Saree Phongphanphanee [1], Jirasak Wong-ekkabut [1,2] and Wirasak Smitthipong [1,3,*]**

[1] Specialized center of Rubber and Polymer Materials in agriculture and industry (RPM), Department of Materials Science, Faculty of Science, Kasetsart University, Bangkok, 10900, Thailand; supitta.sue@gmail.com (S.S.), fscisrph@ku.ac.th (S.P.), fscijsw@ku.ac.th (J.W.)

[2] Department of Physics, Faculty of Science, Kasetsart University, Bangkok, 10900, Thailand

[3] Office of Research Integration on Target-based Natural Rubber, National Research Council of Thailand (NRCT), Bangkok, 10900, Thailand

* Correspondence: fsciwssm@ku.ac.th

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**Table S1.** Formulas of rubber foams at various chemical blowing agents.

| Chemical agents | Formulas (phr[1]) | | | |
|---|---|---|---|---|
| | Control | Control - 15% Po | Control - 30% Po | Control - 45% Po |
| 60% concentrated natural latex | 100.00 | 100.00 | 100.00 | 100.00 |
| 10% potassium oleate aqueous solution (Po) | 1.65 | 1.40 | 1.15 | 0.90 |
| 50% sulphur aqueous dispersion | 2.00 | 2.00 | 2.00 | 2.00 |
| 50% ZDEC aqueous dispersion | 1.00 | 1.00 | 1.00 | 1.00 |
| 50% ZMBT aqueous dispersion | 1.00 | 1.00 | 1.00 | 1.00 |
| 50% antioxidant (Wingstay L) aqueous dispersion | 1.00 | 1.00 | 1.00 | 1.00 |
| 50% ZnO aqueous dispersion | 5.00 | 5.00 | 5.00 | 5.00 |
| 33% DPG aqueous dispersion | 0.66 | 0.66 | 0.66 | 0.66 |
| 12.5% SSF aqueous dispersion | 1.00 | 1.00 | 1.00 | 1.00 |

[1] Parts per hundred of rubber.

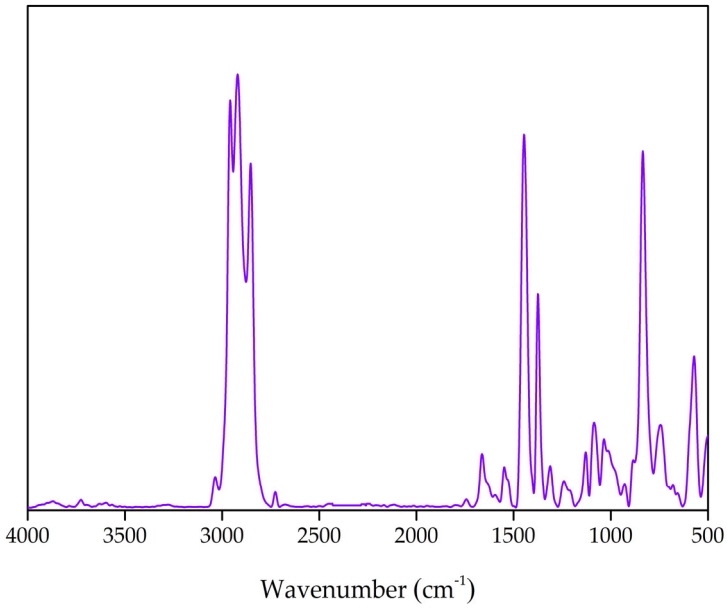


**Figure S1.** ATR–FTIR spectrum of the control foam sample at 500–4000 $cm^{-1}$, the other foam samples with reducing of the chemical blowing agent represent the same ATR–FTIR spectrum with the control foam sample.