

## 6. BIBLIOGRAPHY

- [1] “Sri Lanka Export Development Board,” [Online]. Available: <https://www.srilankabusiness.com/rubber/non-tyre-sector.html>. [Accessed 08 01 2020].
- [2] “Britannica,” 20 12 2019. [Online]. Available: <https://www.britannica.com/technology/tire#ref117797>.
- [3] K.Nagdi, in *Rubber as an Engineering Material : Guideline for users*, Carl Hanser Verlag, 1993.
- [4] “Thermocouple,” 24 12 2019. [Online]. Available: <https://en.wikipedia.org/wiki/Thermocouple>.
- [5] 24 12 2019. [Online]. Available: [https://en.wikipedia.org/wiki/Two\\_roll\\_rubber\\_mill](https://en.wikipedia.org/wiki/Two_roll_rubber_mill).
- [6] 2019 12 24. [Online]. Available: [https://en.wikipedia.org/wiki/Thermal\\_diffusivity](https://en.wikipedia.org/wiki/Thermal_diffusivity).
- [7] P. S.-o. a. U. Thepsuwan, “Prediction of Cure Level in Thick Rubber Cylinder Using Finite Element Analysis,” *ScienceAsia*, vol. 28, pp. 385-391, 2002.
- [8] M. H. R. G. N. Mehdi Rafei, “Development of an advanced computer simulation technique for the modeling of rubber curing process,” *Computational Materials Science* , no. 47(2), December 2009, pp. 539-547, 2009.
- [9] M. H. R. G. a. G. Naderi, “Three Dimensional Finite Element Modelling of Truck Tyre Curing Process in Mould,” *Iranian Polymer Journal*, vol. 14 (8), pp. 735-743, 2005.
- [10] P. G. Ambelang J.C., “Digital method of calculating the flow of heat through a tyre during of vulcanization,” *Rub. Chem. Tech*, vol. 45, pp. 1195-1201, 1972.
- [11] P. G.A. and Williams M.C., “Numerical evaluation of the state of cure in a vulcanizing rubber article,” *Rub. Chem. Tech*, vol. 53, pp. 1023-1031, 1980.
- [12] S. H.P, “A one-dimensional numerical method of heat transfer in the press of tyre

vulcanization," *Rub. Chem. Tech.*, vol. 56, pp. 304-321, 1983.

- [13] W. J. C. J. P. a. Z. C. Toth, "Finite Element Evaluation of the State of Cure in a Tire," *Tire Science and Technology*, vol. 19, no. No.04, pp. 178-212, 1991.
- [14] M. A. M. M. Mohammad Reza Erfanian, "A Three Dimensional Simulation of a Rubber Curing Process Considering Variable Order of Reaction," *Applied Mathematical Modelling*, vol. 40, pp. 14-20, 2016.
- [15] G. M.H.R.Ghoreishy, "Three-Dimensional finite element modeling of rubber curing process," *Elastomers & Plastics*, vol. 37, no. 1, pp. 37-53, 2005.
- [16] A. R. A. A.Arrillaga, "Techniques used for determining cure kinetics of rubber compounds," *European Polymer Journal*, vol. 43, no. 11, pp. 4783-4799, 2007.
- [17] G. Ramorino, "Injection Molding of Engineering Rubber Components: A Comparison Between Experimental Results and Numerical Simulation," *International Journal of Material Forming*, vol. 3, pp. 551-554, 2010.
- [18] X. YA, "A Numerical Modeling of Dynamic Curing Process of Tire by Finite Element," *The Society of Polymer Science*, vol. 39, no. 10, pp. 1001-1010, 2007.
- [19] S. Weragoda, "Determination of Thermal Conductivity of LDPE Using Dual Hot Wire Probe Method," *2018 Moratuwa Engineering Research Conference (MERCon)* , no. 31 July 2018 , 2018.
- [20] D. C. G. a. R. 1. Corruccini, "Enthalpy, Specific Heat, and Entropy of Aluminum Oxide from 0° to 900° C," *Research of the National Bureau of Standards* , vol. 38, 1947.