Endurica 10 YEARS

Get Durability Right

2008 - 2018

Combined Testing and Modeling Service

Endurica's NEW 2018 measurement and modeling package includes:

- Expert durability testing and analysis of your new polymer, filler, or additive in your rubber formulation of interest compared to a control and/or competitor material
- Inputting these measured material parameters into a rubber component (e.g. sidewall, tread) within a realistic passenger or truck tire finite element model and using Endurica CL post-processing software to provide durability predictions

You will receive:

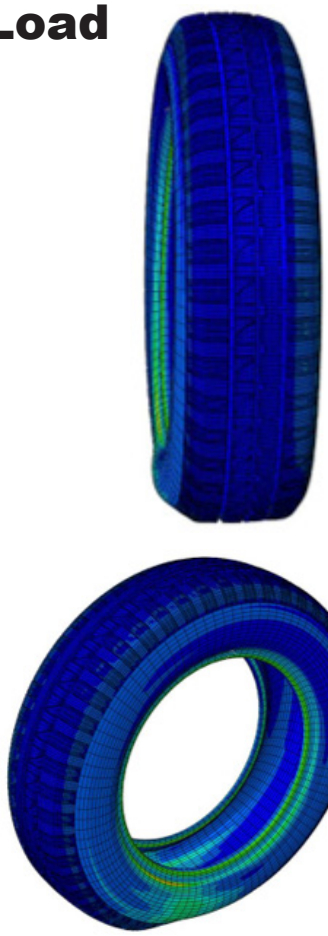
- Report created by detailed Abaqus finite element tire model using Endurica CL durability prediction software
- Experimentally measured material parameters inputted into model to show predicted tire performance in terms of strain energy density and durability/lifetime for:
  - your Compound A versus Compound B
  - in tire component of interest (sidewall, tread, etc.)

We can help you demonstrate the Benefits of YOUR Raw Materials in Tire Applications

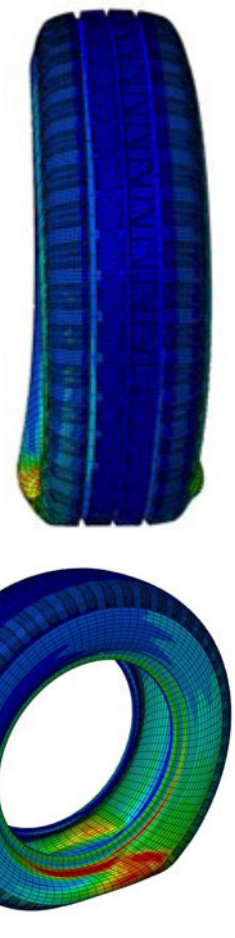
Simulation, combined with Endurica's testing methods, provides the ability to realistically account for actual tire service conditions in a way that no other standard testing can.

Example: Passenger Tire

5° Slip Angle; 100% Rated Load



5° Slip Angle; 200% Rated Load



Imagine the impact your team can make with finite element simulation results highlighting the benefits of your new additive, polymer, or filler.

Call Christopher Robertson, Ph.D. at 419-957-0543, Ext. 710 or email Chris at cgrobertson@endurica.com