

**HANKOOK**  
driving emotion



**KINERGY<sup>GT</sup>**  
*Premium grand touring*



# Contents

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Features and performance information

Key performance

Pattern concept

Design features and technology

Technical presentation

Available sizes



# New grand touring **KINERGY<sup>GT</sup>**



## Technology icon



Chamfer sipe

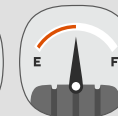


Compound

## Performance icon



Dry braking



Mileage



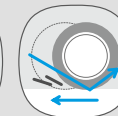
Drainage



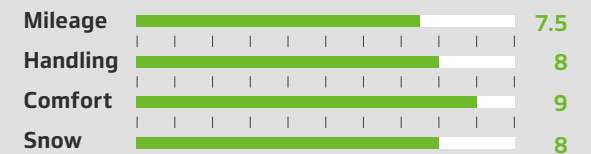
Wet handling



Winter handling



Snow traction



## Technical profile

Series : 40~65

Inch : 15~19

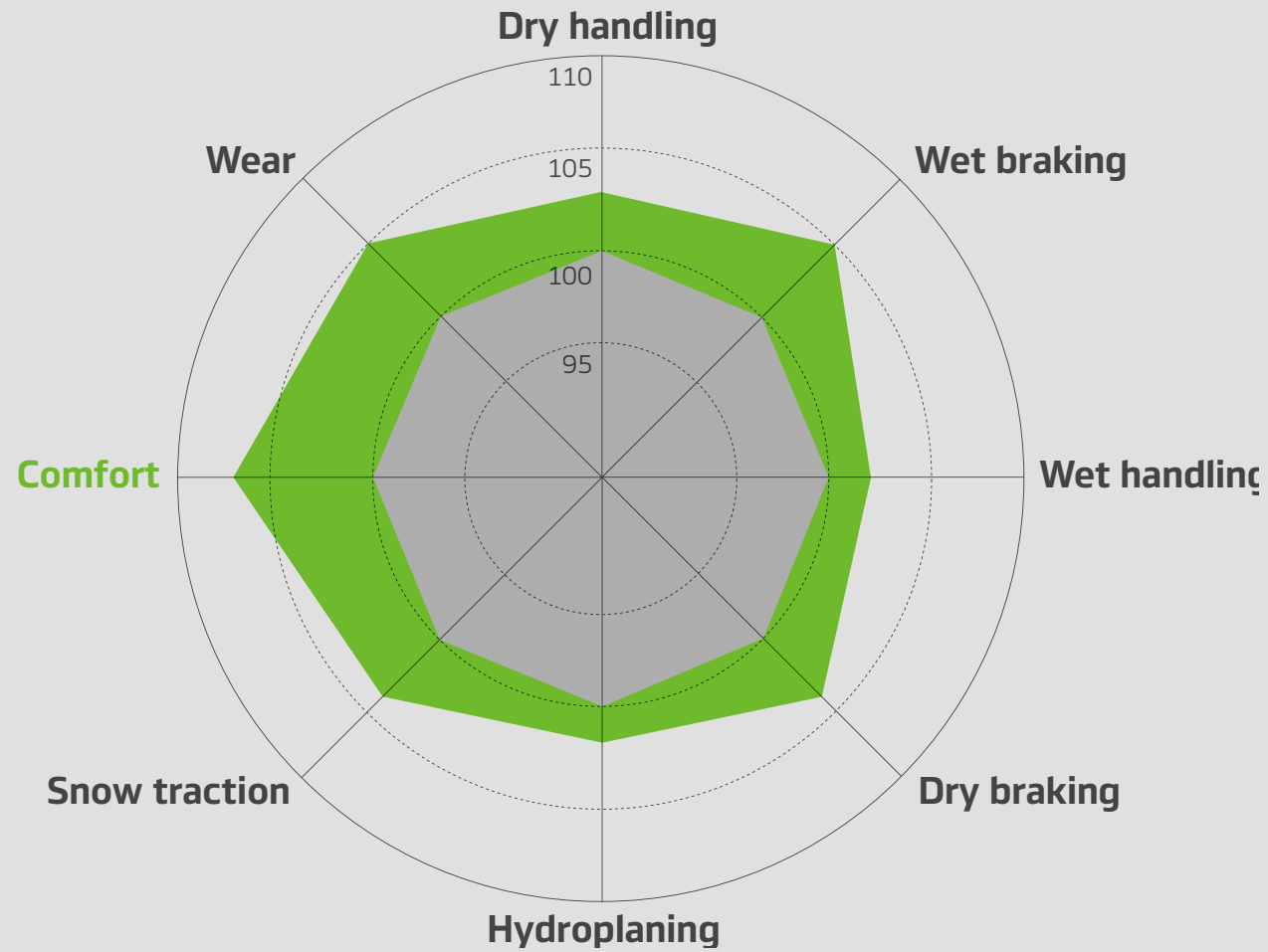
Speed symbol : H, V


UTQG : 540 / A / A

## Key performance

Improvement in performance compared to predecessor.

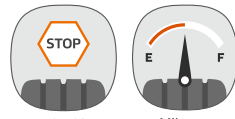
■ Conventional  
■ **KINERGY<sup>GT</sup>**





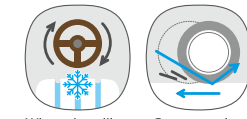
**Wet performance**

Wet handling    Drainage



**Dry performance**

Dry braking    Mileage



**Winter performance**

Winter handling    Snow traction



# Grand touring all-season tire for all road

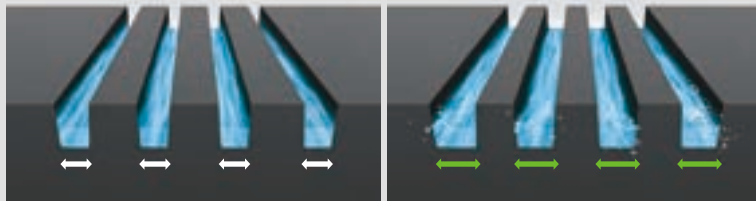
Design features and technology

# Wet performance

By using 3D hydroplaning simulation during the design process, KINERGY GT's exclusive tread design provides excellent water evacuation which ensures impressive wet performance and improved safety in wet conditions.

## A Wide circumferential 4 channel grooves

Wider grooves provide maximum water evacuation which promotes wet traction.



Conventional

KINERGY<sup>GT</sup>

## B Wide lateral groove



Wide lateral grooves incorporated into the tire's tread ensure hydroplaning resistance for excellent wet handling and braking.

## C Step-wing shoulder



Step-wing shoulder design maximizes water expulsion for outstanding safety.



Design features and technology

# Dry performance and mileage

Designed for ultimate dry performance with optimized block sequence and stiffness. Enhanced stiffness gives longer tread life and wear.

## D Optimized block stiffness



Optimized tread block stiffness ensures enhanced durability and tread uniformity for improved handling performance and mileage.

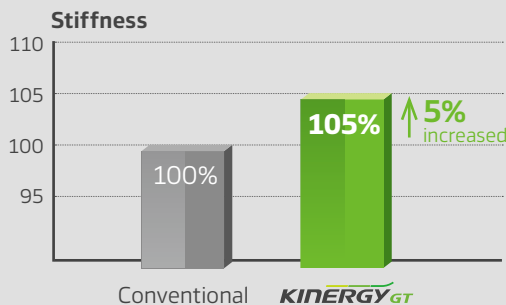
## E Center rib



A rigid center rib provides excellent grip for outstanding handling and braking performance.

## F Enhanced sidewall stiffness

Engineered to deliver optimal steering ability via enhanced sidewall stiffness.

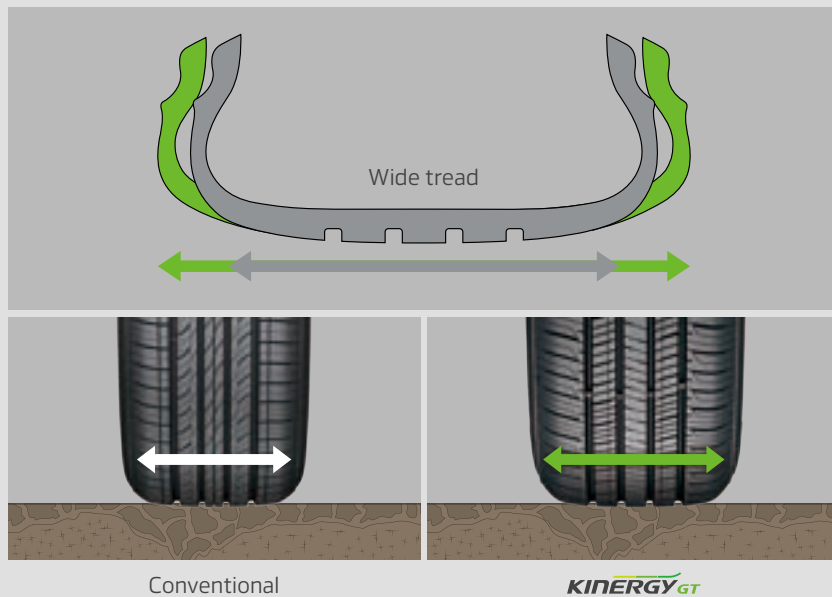


Design features and technology

# Dry performance and mileage

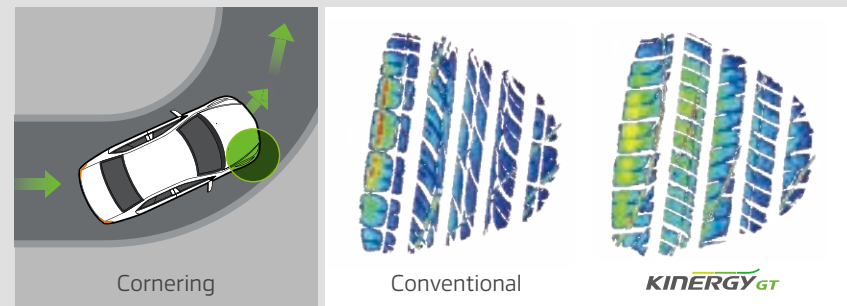
KINERGY GT's improved profile maximizes tread uniformity and stability which ensure longer tread life and dry performance. A wide contact area provides better cornering response and improved handling performance.

## G Optimal profile design



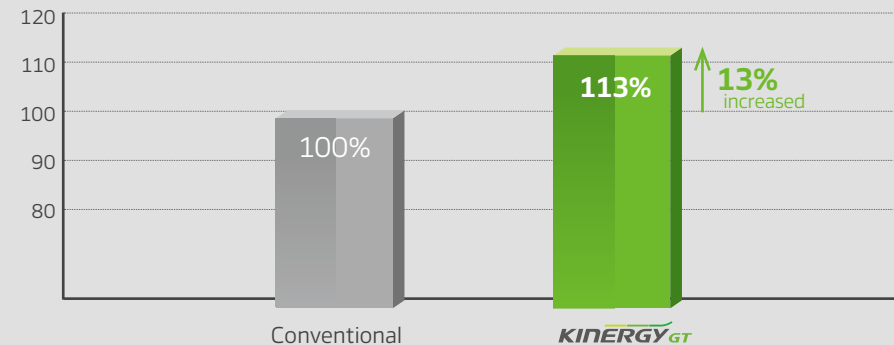
A wide tread profile provides stability and uniformity which reduces distortion, delivering outstanding handling performance and improved tread life.

## H Footprint



SPEC. Slip angle (8°) / Test condition : Air - 2.0kg/cm<sup>2</sup>, load - 530kg

### Actual contact area



Wide contact area maximizes steering response and stability even in extreme driving conditions.



Design features and technology

# Snow performance

An optimized tread design with lateral grooves and chamfer sipes maximizes snow performance for excellent grip, traction and safety.

## I Optimized lateral groove design

Wide lateral grooves provide excellent snow grip and enhance snow traction.

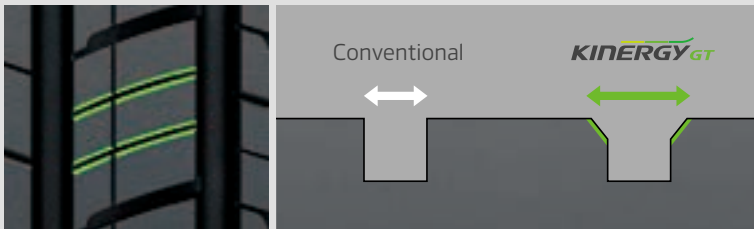


Conventional

**KINERGY GT**

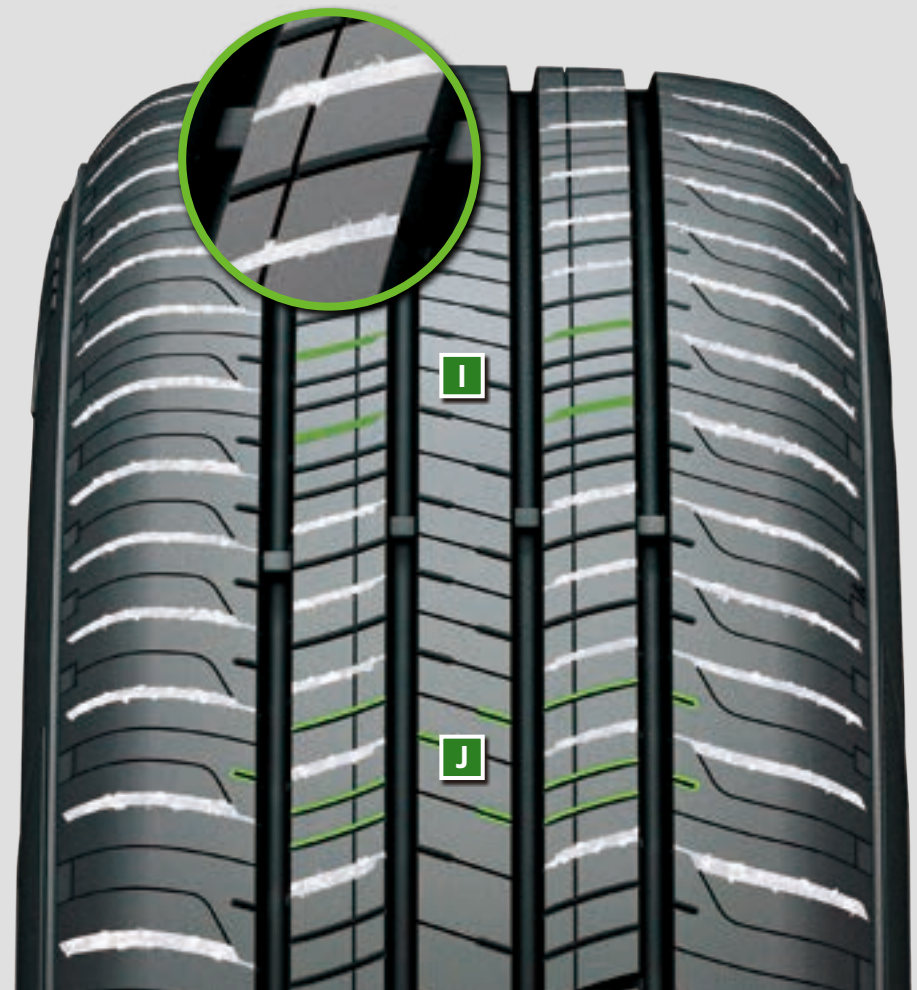
## J Equalized chamfer sipe

Chamfer sipes maximize snow performance providing consistent grip in snowy conditions.



Conventional

**KINERGY GT**

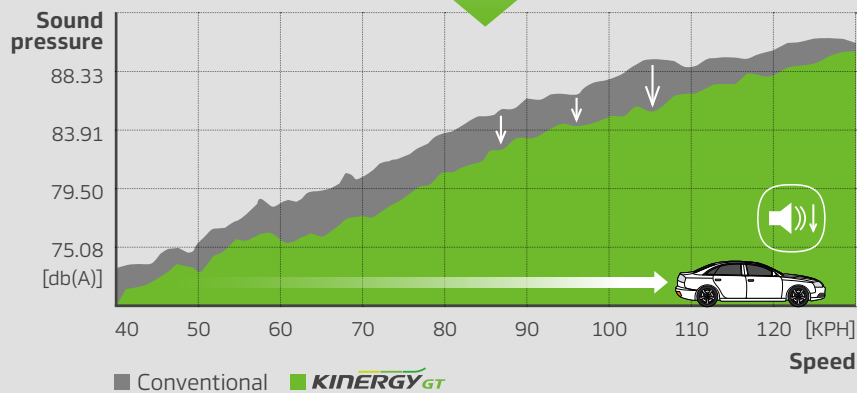
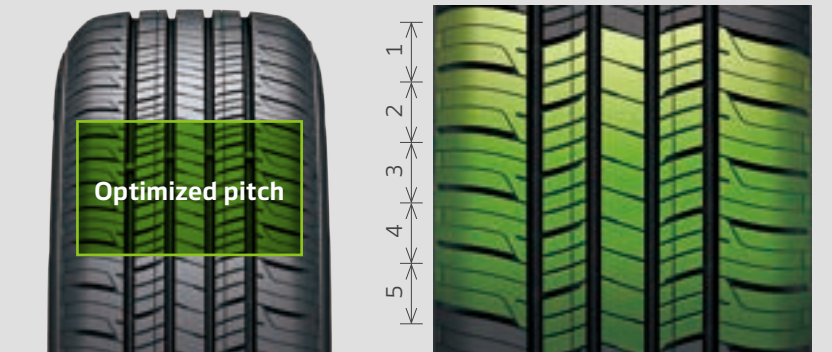


# Comfort and noise

Tread block pitch sequence and profile have been engineered to reduce noise and vibration across a wide range of road surfaces. Additionally vibration control technology offers the most comfortable driving experience.

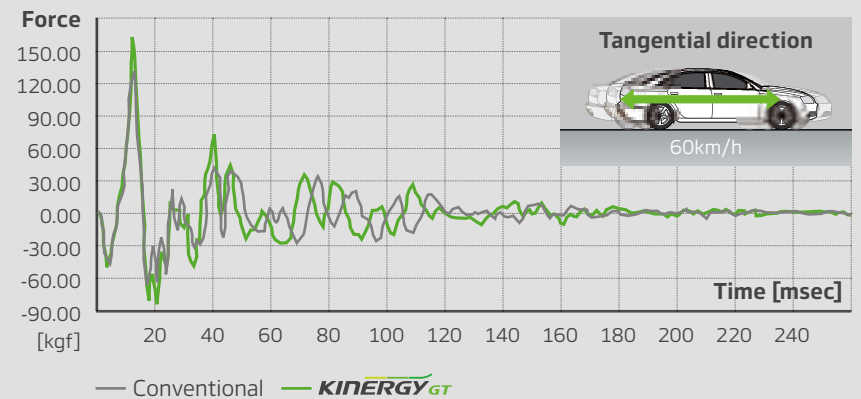
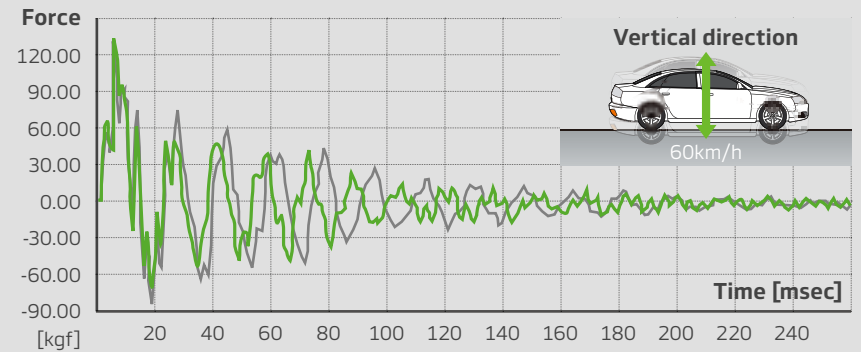
## K Optimized pitch sequence

Its specific pitch sequence reduces road noise.



## L Vibration control technology

Advanced profile absorbs vibrations on road.



# Tire structure

## High grip silica compound

Offers higher performance in winter conditions by promoting better grip and traction.

## Jointless full cover reinforced belt

Optimized strength to improve tread stability even at high speed.

## Wide steel belt layer

Improved tread stiffness for better handling / braking performance.

## Equilibrium carcass line

Increased sidewall durability and stability.



## High-stiffness bead filler

Stiffer sidewall for improved steering response.

## Strong jointless bead wire

Enhanced bead uniformity.

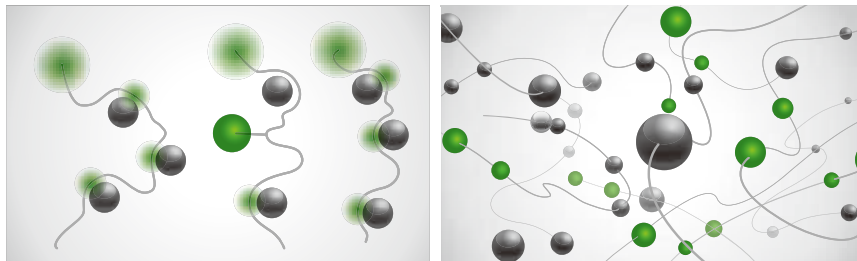
# Compound

Dual filler system ensure low rolling resistance, improved tread wear and well-balanced handling performance. KINERGY GT additionally provides excellent winter performance with low tg polymer.

## Dual filler system

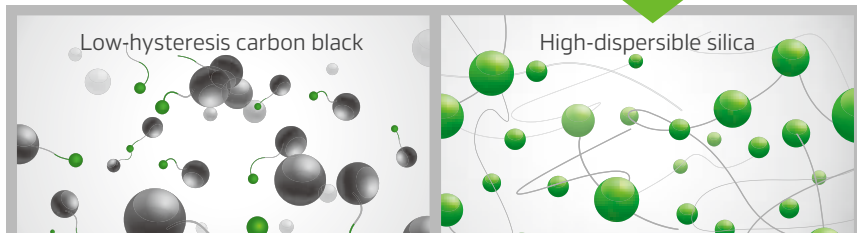
By using dual filler system, KINERGY GT offers well-balanced dry / wet handling performance and longer tread life.

- Low-hysteresis carbon black
- High-dispersible silica



Conventional

KINERGY<sub>GT</sub>

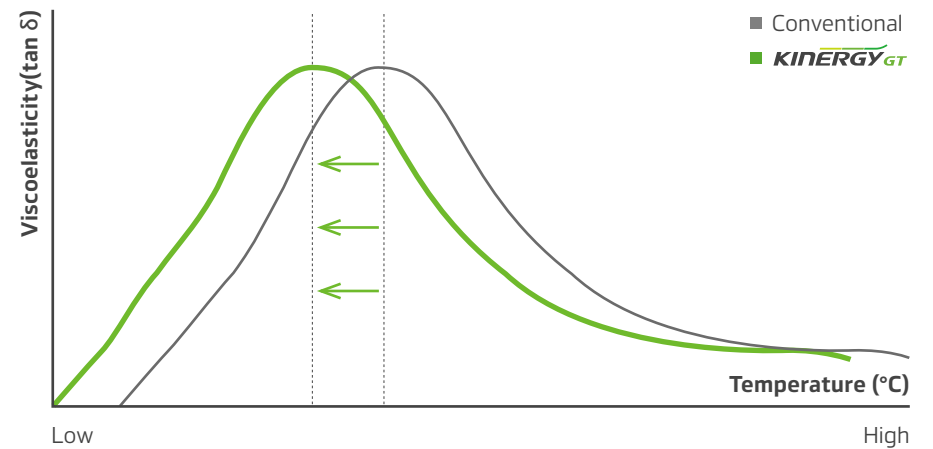


· Low-hysteresis carbon black provides low rolling resistance, delivering high mileage to drivers.

· Optimized silica-polymer network  
· High-dispersible silica improves wet performance with enhanced grip on road.

## Low tg polymer

Low tg polymer improves snow handling and braking performance.



Low tg polymer provides excellent stability in lower temperature which delivers enhanced winter performance.

