

hankook
driving emotion



OPTIMO H426

Luxury Performance Touring All-Season



A white sedan is shown from a low-angle, rear-quarter perspective, driving on a road that curves into the distance. The sun is low on the horizon, creating a lens flare effect. The sky is a mix of blue and orange, with some clouds. The car's wheels are blurred, suggesting motion. The overall scene is bright and clear.

Contents

Concept

Design

Construction

Kontrol Technology

Compound Technology

Profile

Features/Benefits

Available Sizes

Pattern Design



OPTIMO H426

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Concept

All-Season Performance Without Sacrifice

The OPTIMO H426 provides consumers with better wet and dry traction, long even wear, improved fuel economy and superior snow performance.

Better Wet and Dry Traction

Long Even Wear

Improved Fuel Economy

Superior Snow Performance

- Product Name : **OPTIMO H426**
- Luxury Performance Touring All-Season.
- For Sedans, Wagons and Crossover Utility Vehicles.
- Speed Symbol : S/T/H/V
- S.W. : 175~255
- Tire Diameter : 14" –20"
- UTQG : 440 AA
- 60k Mileage Warranty



OPTIMO H426

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Our Philosophy, Our Innovations, Our Quality

Kontrol

TECHNOLOGY

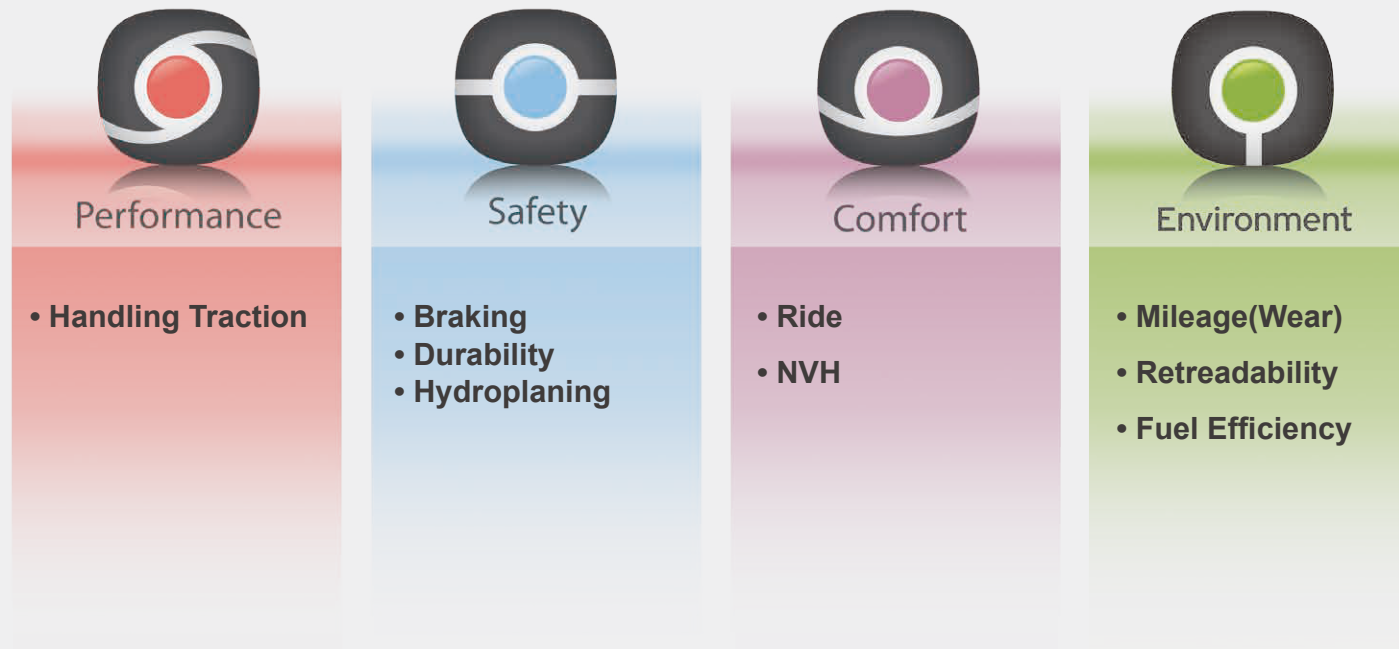


Kontrol Technology is a philosophy as well as a set of proprietary innovations – applied throughout research, development and production – developed by Hankook Tire to ensure controlled driving experiences. The ‘K’ denotes ‘kinetic’ and reflects the idea that the interaction of the tire with the road while in motion lies at the heart of driving control and performance. In order to provide enhanced benefits to customers and fundamental to its business, Hankook Tire applies the highest standards of quality and technology to all its products by in terms of improving safety, driving comfort, handling, and performance, and reducing the impact tires have on the environmental friendliness. No matter what the situation, whether performing at the highest level of world motor sports or driving your children to school on a rainy day, Hankook Tire strives to provide its customers with tires that control the vehicle perfectly. Kontrol Technology’s multi-dimensional approach is setting Hankook Tire apart as the world’s leading next-generation tire maker by producing class-leading technology increasingly recognized by automotive industry experts*.

Kontrol Technology delivers benefits across four key areas identified by drivers. Whether a fuel-efficient, allseason or ultra-high performance tire, a range of technologies is combined to ensure that all tires are optimized in terms of performance, safety, comfort and their impact on the environment.

Our Philosophy, Our Innovations, Our Quality

The result of Kontrol Technology is tires that provide a range of driving benefits across four areas that customers identify as key when choosing quality tires : Performance, Safety, Comfort and a tire's impact on the Environment



Design Features

Optimized Grooves

deliver outstanding water channeling and improved hydroplaning resistance.

Four Circumferential Grooves

provide excellent wet traction.



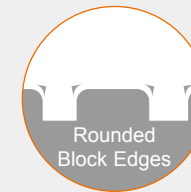
Rib Type Shoulder Block

improves water evacuation on wet surfaces and provides increased stability on dry roads.



The Main Groove Edges

of the OPTIMO H426 are rounded to minimize noise arising from the block edges.



Center Rib Diamond Shaped Block Design

helps traction performance by allowing efficient water evacuation on wet surfaces.

Construction

OPTIMO H426 adopts new technology for Touring vehicles, engineered for great steering, ride comfort and durability.

Base Tread Compound

absorbs shock from the road and offers better comfort.

Improved uniformity and durability due to the application of **Jointless Cap Plies.**

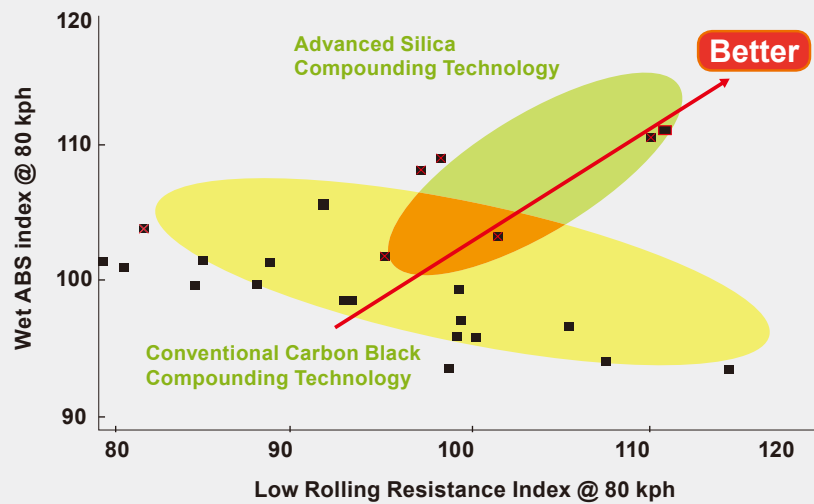
Two Wide Steel Belts

deliver stable steering and cornering.


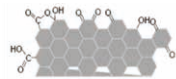
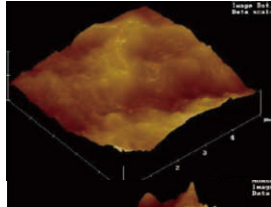
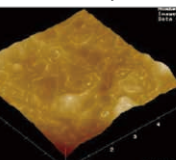
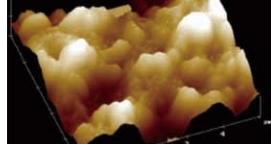
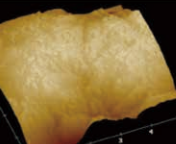
High Stiffness Bead Filler offers improved steering response and handling.



Hankook's advanced silica tread compound provides better wet grip than carbon compounds and improves fuel efficiency by lowering rolling resistance.

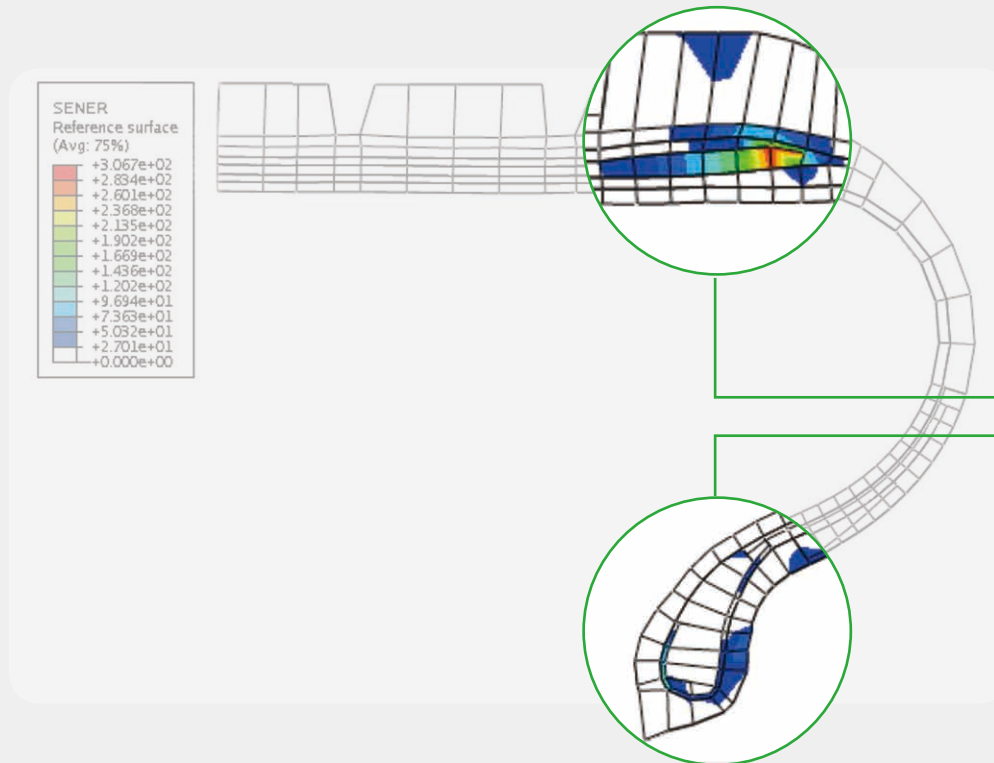


OPTIMO H426 uses an advanced tread silica compound that improves both wet braking and fuel economy.

Structure	 Silica Compound	 C/B Compound
Dry Condition		
Wet Condition		
Wet (%)	100	70

This new hydrophilic material features superior wet grip and braking performance compared to previous carbon compounds.

FEA (Finite Element Analysis) generated profile enables optimized stress distribution.



Benefits of optimized profile design

- Lower rolling resistance leading to better fuel efficiency
- Improved steering response
- Quiet ride

Advantage of FEA generated profile design

- Minimize stress at hinge area
- Minimize stress at bead rim contact area

Wet and Dry Traction



Computer optimized profile enhances handling performance.



Four Circumferential Grooves
allow exceptional wet performance.

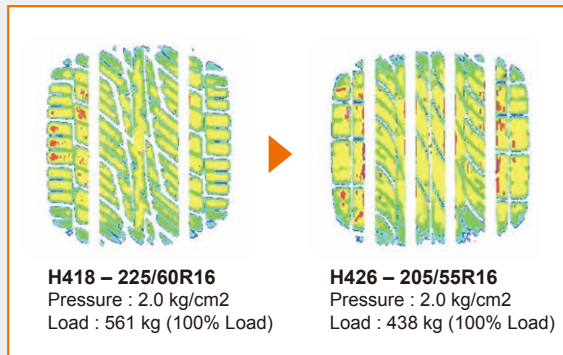


Rib Type Shoulder Block
promotes improved water evacuation
resulting in better wet grip.

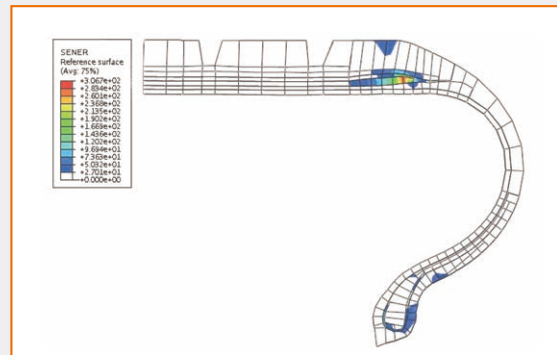


Diamond Shaped Block Design
helps traction performance by aiding water
evacuation on wet surfaces while maintaining
stiffness required for dry handling.

Long and Even Wear



Computer optimized technology ensures that the contact patch provides better grip, braking and long, even wear.



Dual Tread Radius Design distributes stress, enabling longer mileage and helps prevent irregular wear.

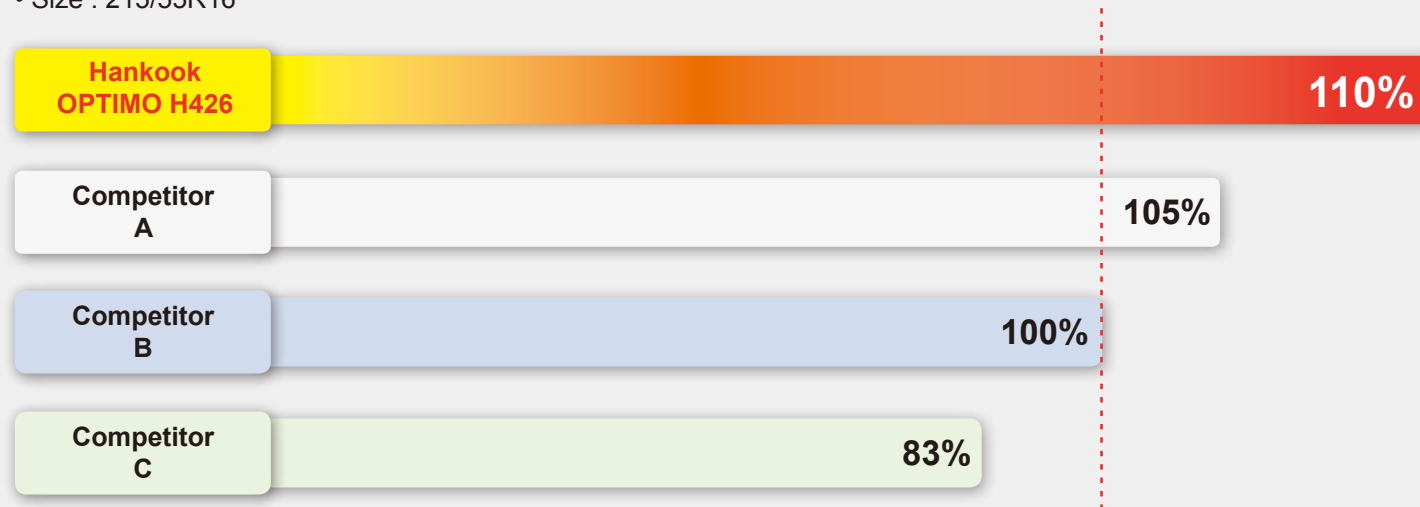


Rib type shoulder block tread design prevents irregular wear.

Low Rolling Resistance

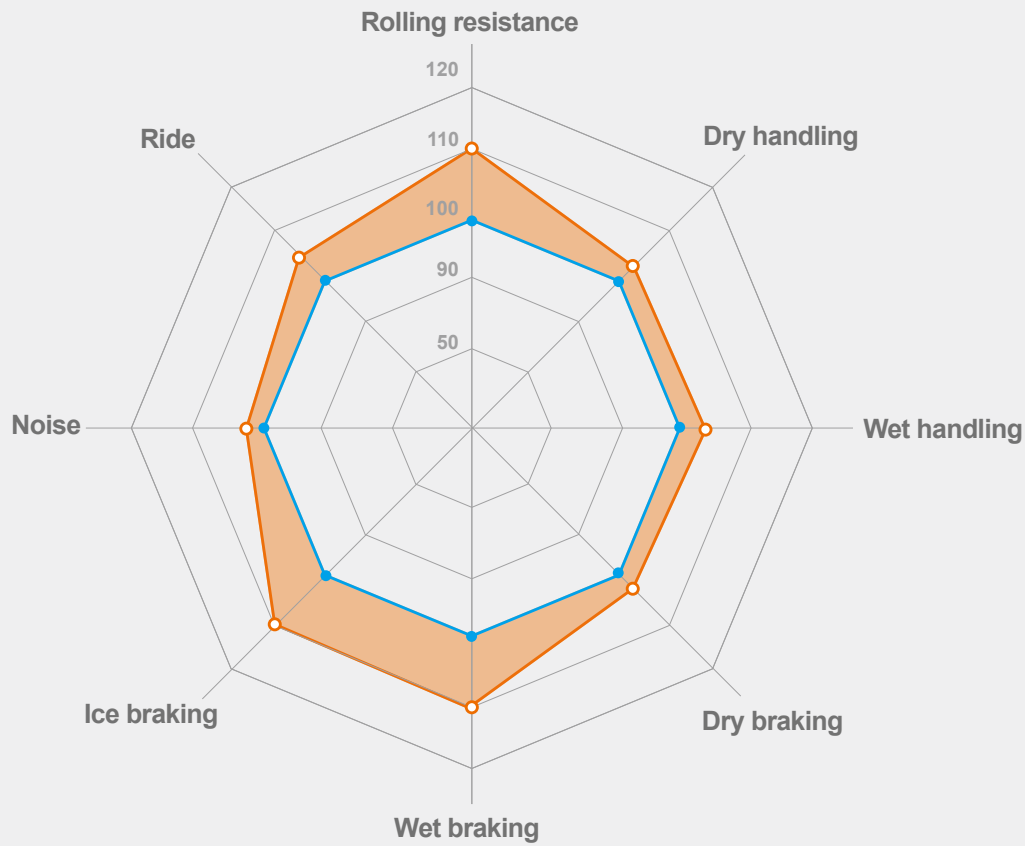
OPTIMO H426: Luxury Performance and Low Rolling Resistance.

- Third Party independent test results.
- Size : 215/55R16



Higher Index number indicates better performance

Test Results



Test results show that **OPTIMO H426** provides lower rolling resistance and better wet and winter performance.

—○— **OPTIMO H426**
—●— **Leading Competitor**

