

**HANKOOK**  
driving emotion



## **ventus V12 evo**

*The new power in sports driving*



**1. Concept**

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*Pattern design*



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*Concept*

## ***The new power in sports driving!***

*A new concept in ultra high performance tires that delivers superb control and braking.  
Experience unrivalled comfort during high-speed driving.*



*Evolution*

**ventus Sport K104**

**ventus V12 evo**

**ventus V12 evo**

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## Positioning Map of VENTUS V12 evo



## *Control & Braking Performance Technology*

### ***Enhanced handling and braking***

#### **Solid center rib block**

- The solid rib block in the center enhances braking performance.
- It also ensures optimal ground contact pressure and control response at high speeds for excellent handling.



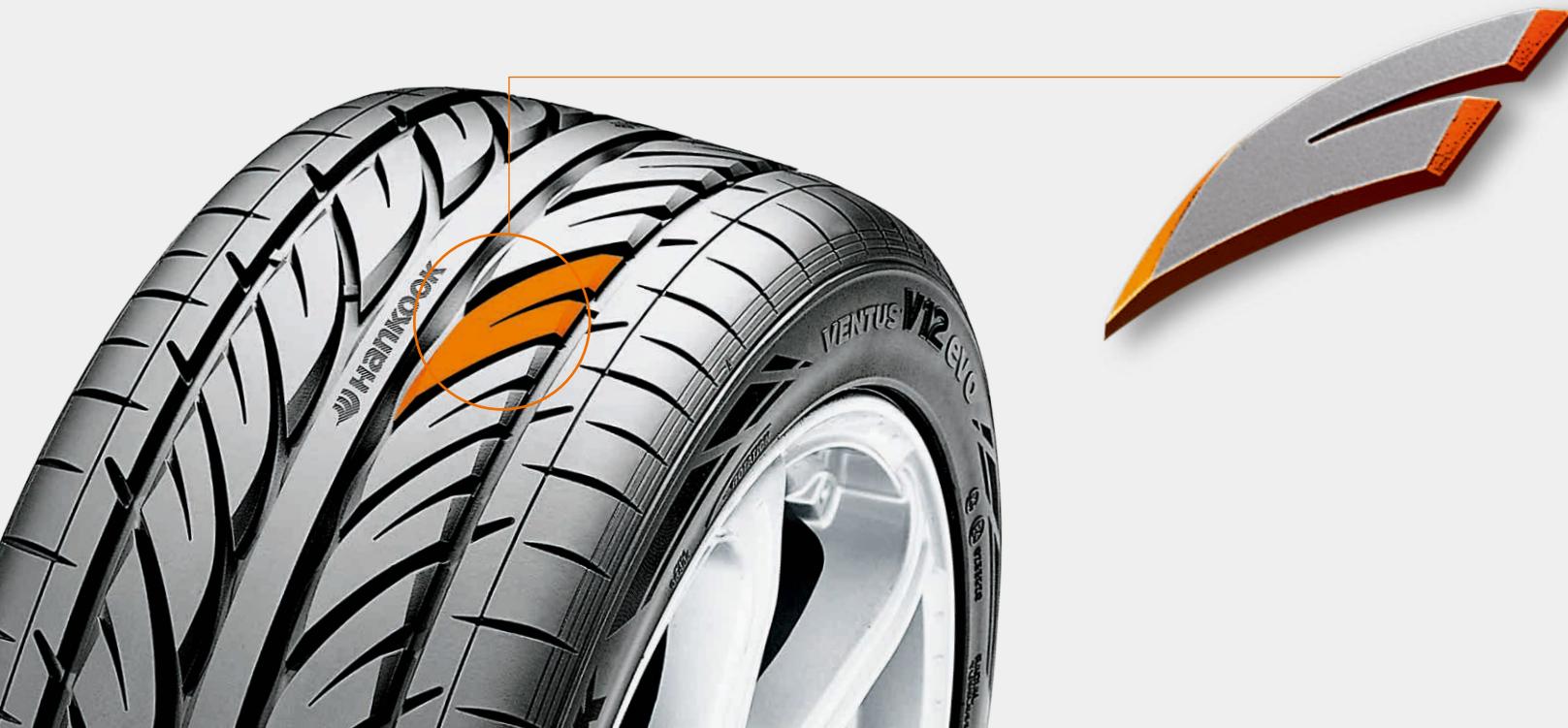
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## ***Enhanced handling and braking***

### **3D effect on block edge**

- Diverse angles on the block edge result in a sophisticated design with a three-dimensional effect.
- Ground contact pressure is evenly distributed for optimal handling and braking.

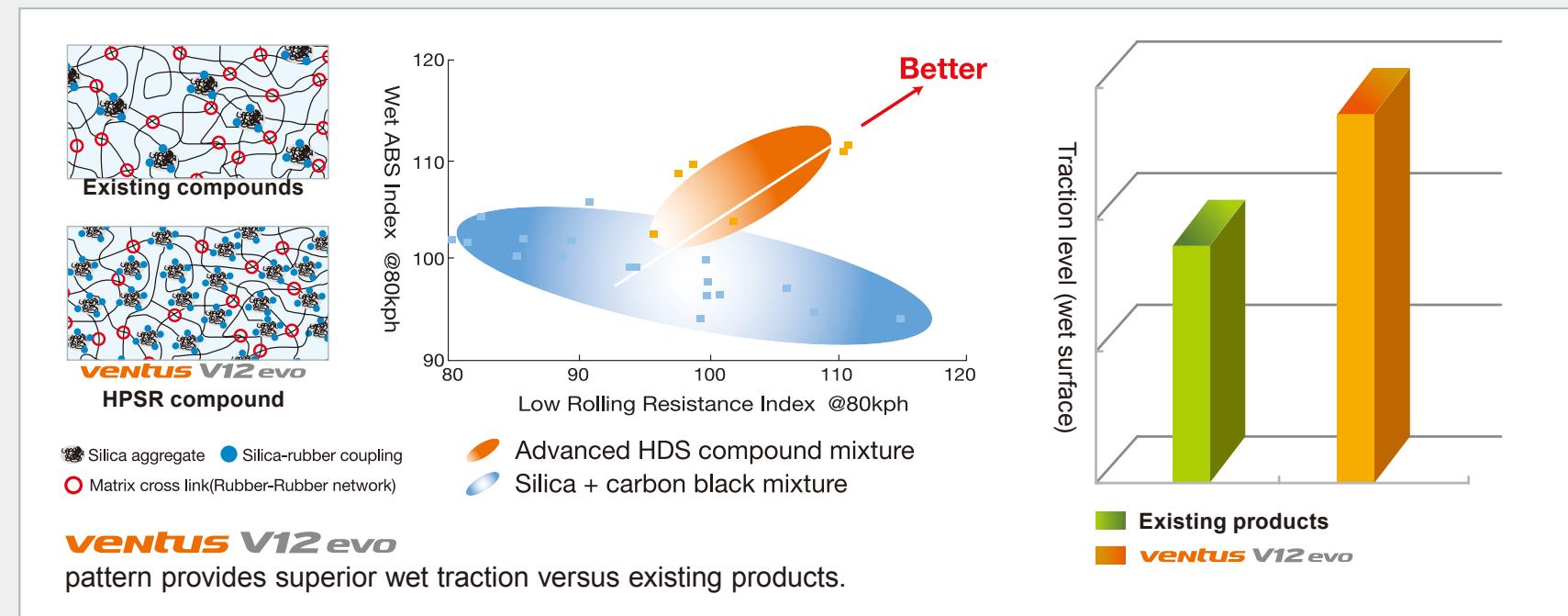


## Control & Braking Performance Technology

### Enhanced handling and braking

#### HPSR (High Tg Polymer & Specific Resin) compound

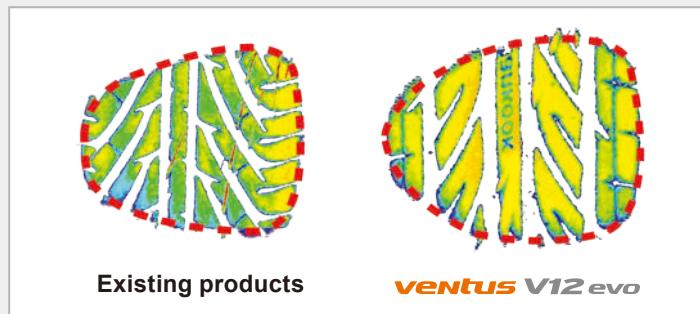
- The use of HPSR compound ensures good traction and braking on wet surfaces.



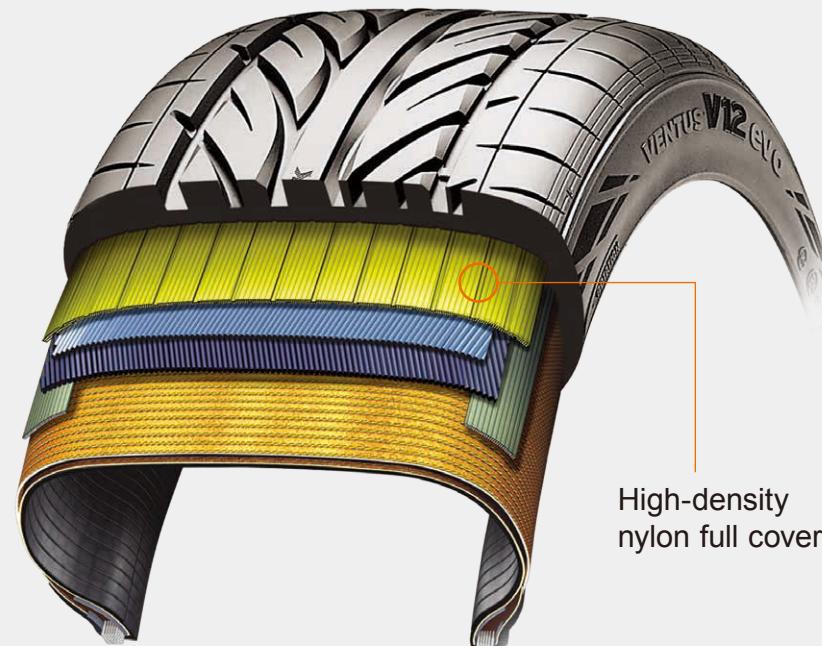
## Enhanced handling and braking

### High-density nylon reinforcement belt

- Optimized structure featuring a high-density nylon belt leads to even distribution of ground contact pressure during cornering.



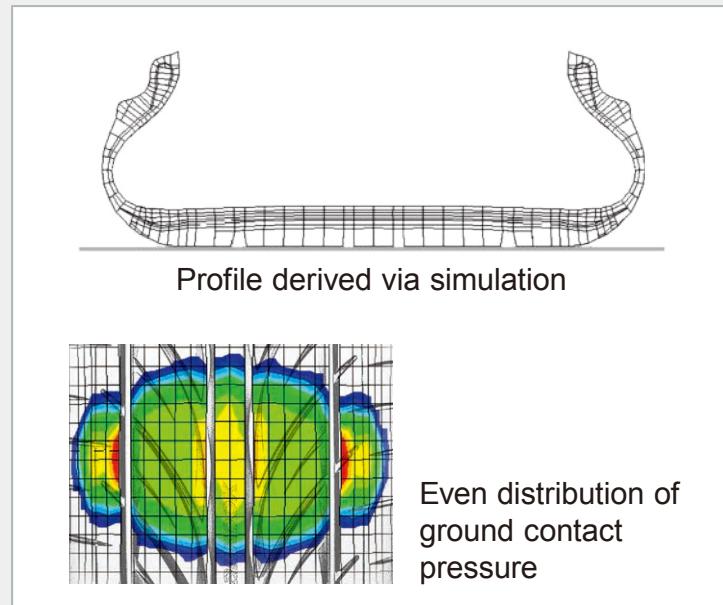
**ventus V12 evo** pattern provides more even ground contact when cornering versus existing products.



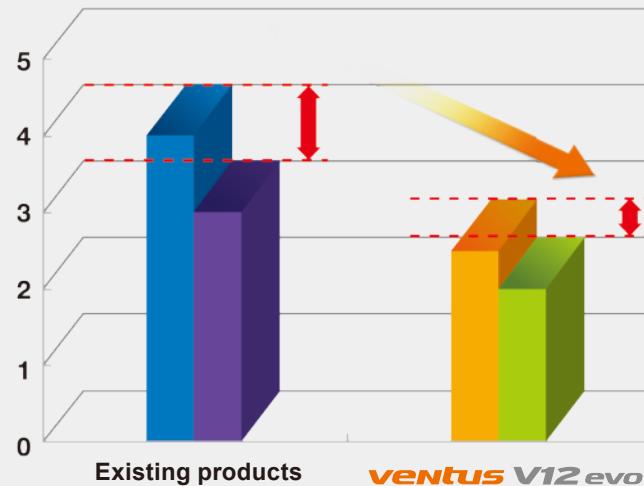
## Enhanced handling and braking

### Ideal profile

- Profile based on optimal ground contact pressure and simulation boosts braking and handling performance for enhanced safety at high speeds.



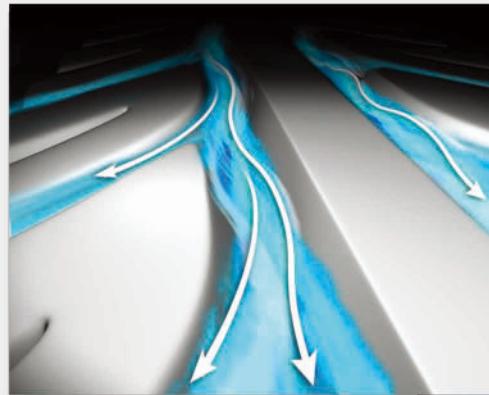
Minimal distortion of center and shoulder parts while driving at high speeds delivers a safer ride and increased durability.



## **Safe water drainage on wet roads**

### **Efficient water drainage thanks to wide linear groove and Y-shape pattern design**

- Wide linear grooves and an aggressive Y-shape pattern design effectively channels water away from the tire.
- This means safe driving on rainy roads.



**Y-shape pattern**  
Improved water drainage



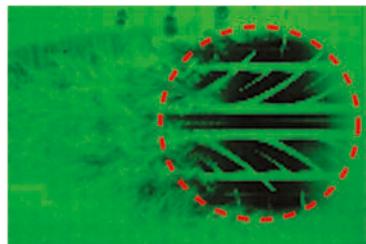
**Wide linear grooves**  
Improved water drainage

## 2. Control & Braking Performance Technology

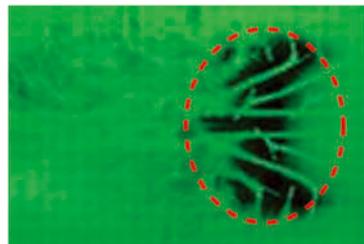
### **Safe water drainage on wet roads**

#### **MTR (Multiple Tread Radius)**

- Wide linear grooves and an aggressive Y-shape pattern design effectively channels water away from the tire.
- This means safe driving on rainy roads.



**ventus V12 evo**



**Existing products**

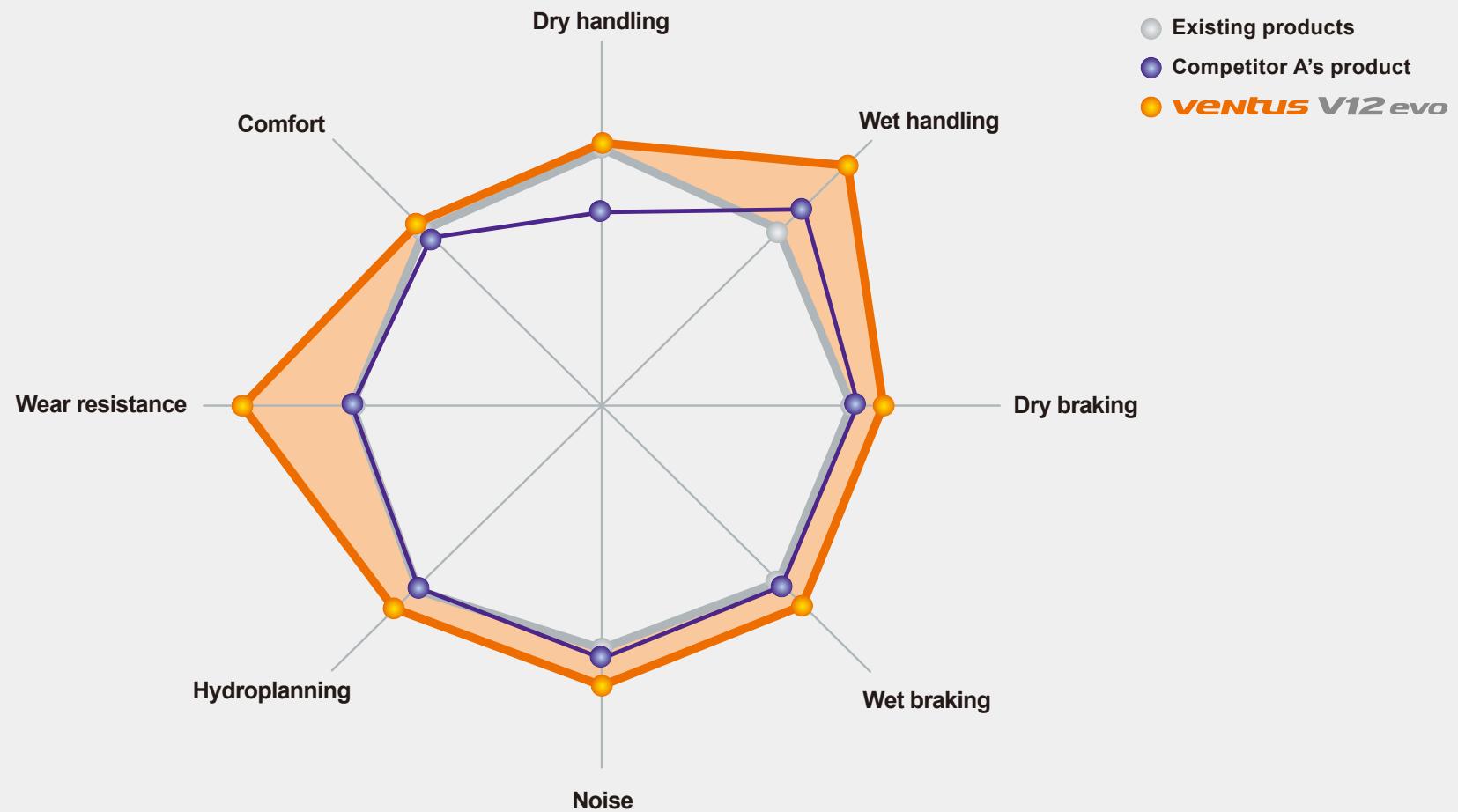
- A wider tire-ground contact area (black area in diagram) and smaller film of water means better water drainage.
- Effective channeling of water results in better handling and braking on wet roads.  
(Image of tire-ground contact area at 100km/h)

#### **What is hydroplaning?**

When a car drives over standing water at high speed, the tire's function to expel water from the grooves decreases, and water resistance leads to a phenomenon in which the tire is lifted off the ground.

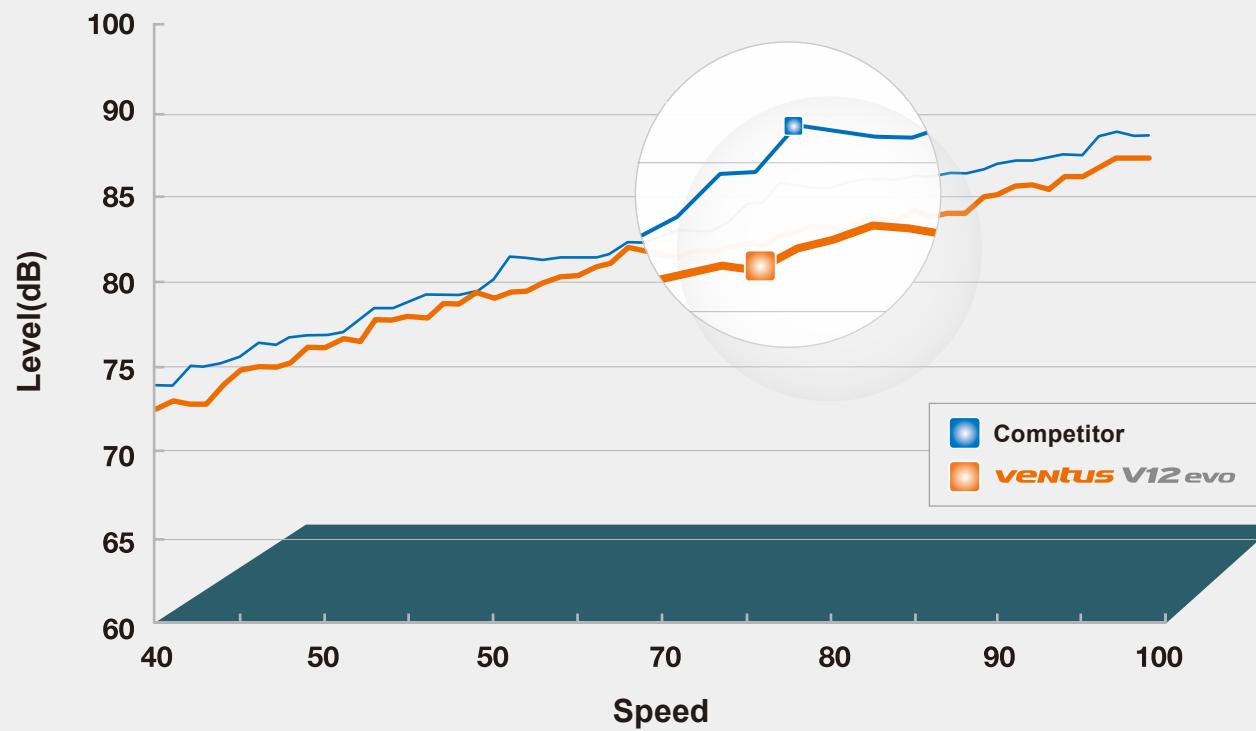
## Test results

### Performance



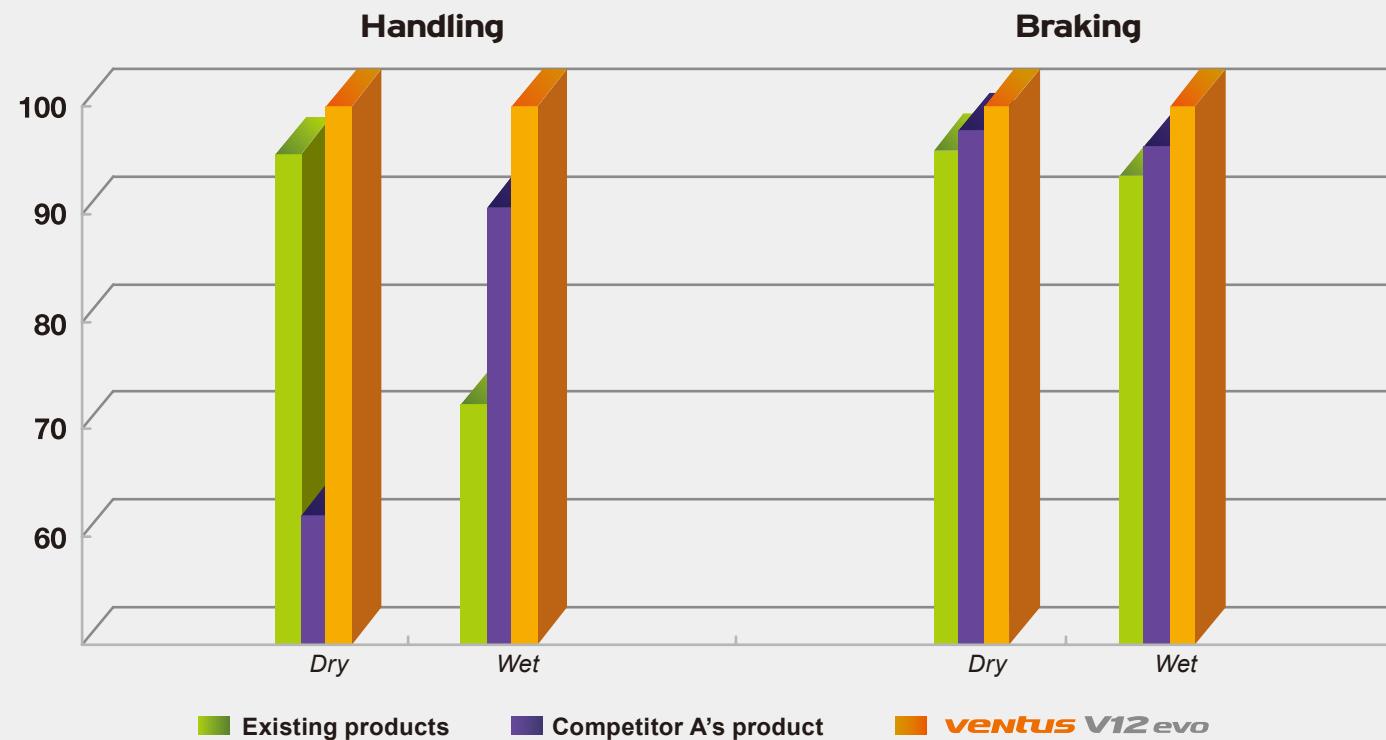
## Test results

### Performance



*Test results*

## Performance



*Test results*

## Performance

