



HANKOOK
driving emotion

***ION** evo*
ION** evo **SUV

Evolutionized to perform more

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Specifications

ION evo *ION* evo SUV

Technical Profile

Tread width

225-305

Series

30-65

Inch

18-22

Speed symbol

H, V, W, Y

EU Labeling (RRc/Wet Grip/Noise)

A-B / A / A

Applied Technology & Tire Performance



Evolution compound



Hankook Evolution Technology



Hankook Sound Absorber™



Extended battery range



High grip



EV handling



Low noise

Test Result & Design Award



The iON Family

iON evo AS
iON evo AS SUV

ALL-SEASON
for America, Asia

iON evo
iON evo SUV

SUMMER

iON icept
iON icept SUV

WINTER STUDLESS



iON evo (and SUV) Vehicle Fitments

		 Compact Car	 Sedan	 Sport Sedan	 Sport & High Performance Car	 Compact & Medium SUV	 Large & High Performance SUV
Summer	Sport		 ventus S1evo ³	 ventus S1evo Z		 ventus S1evo ³ SUV	
	Balance	 KINERGY ^{ECO2}	 ventus Prime ⁴			 ventus Prime ⁴	 Dynampro HP2

Why EVs Need EV Specific Tyres

For ICE Vehicles



Ultra High Performance Summer tyre

Optimized for ICE vehicles, these tyres will not perform as well as on ICEs when mounted on electric vehicles.

Modified for Electric Vehicles



VENTUS S1evo³ EV

Tuned and modified from an ICE tyre basis, to perform on electric vehicles. The common type of EV tyres currently seen and available in the market.

Tailored Specifically for Electric Vehicles

NEW

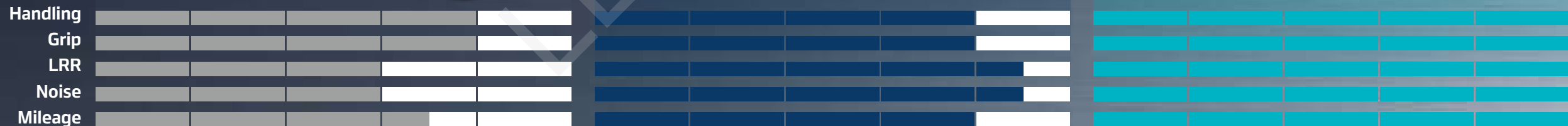


iON evo

Tailored specifically for high-end electric vehicles, the iON evo (and SUV) is the answer to maintaining class.



ELECTRIC VEHICLE TESTED PERFORMANCE RATINGS



* Popular electric vehicle fitments of the Ventus S1evo3 EV
 Porsche Taycan/ Tesla Model Y/ VW ID6, ID4, ID3/ Audi E-Tron

* Equipped with all the technology applied in
 the ABB FIA Formula E World Championship official tire

Double the Advantage

The iON evo (and SUV) pushes the limits of trade-offs to reach optimum performance.
The iON evo (and SUV) is specifically tailored for electric vehicles, but also equipped with the best of both worlds.

UNCOMPROMISED PERFORMANCE



Key Performance

Aced All Grades

Triple A rated in EU Tyre label

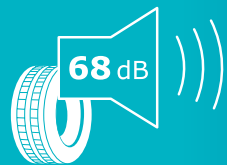
The iON evo (and SUV) achieved a hat-trick in the EU Tyre label grade which is extremely exceptional in the tire industry, and especially first for an EV exclusive tire.



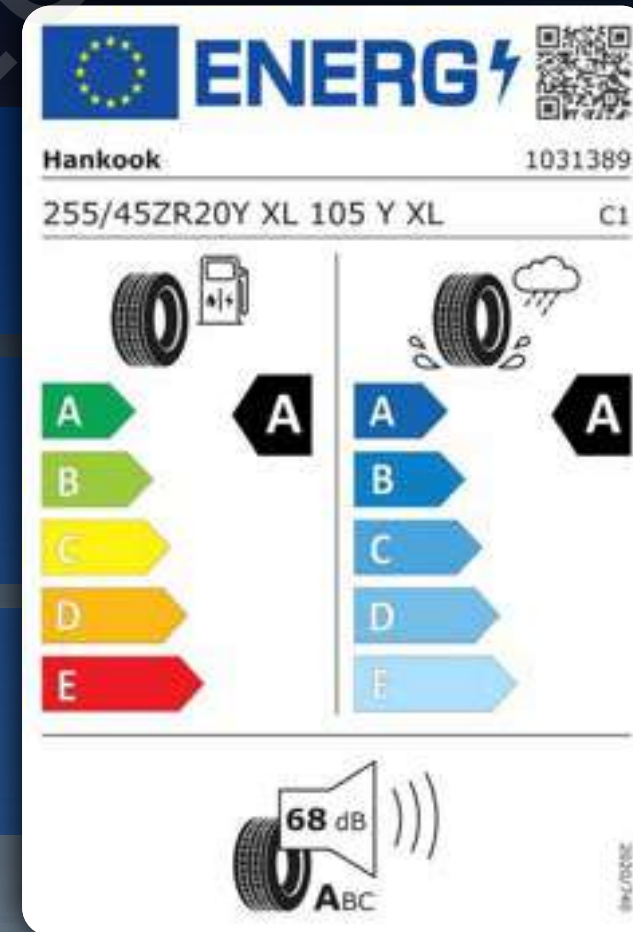
LOW ROLLING RESISTANCE



WET GRIP



LOW NOISE

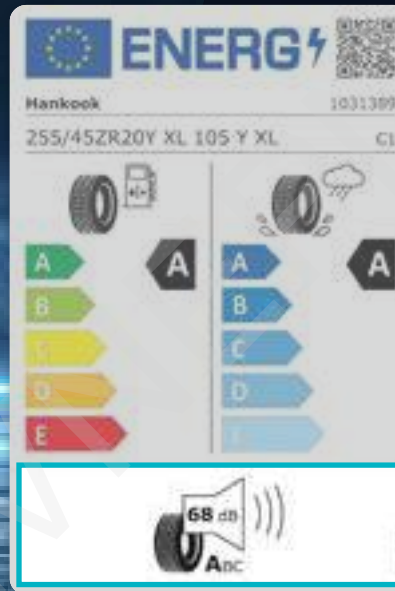


* EU label grade varies by size. Please refer to the 'Available Sizes' page for further information.

Drive in Peace

Noise Proof Technology

Electric motors are almost soundless, which results in the driver hearing more noise from the tires. With the i Sound Absorber Technology, the iON evo offers a quiet and pleasant ride at all speed ranges.

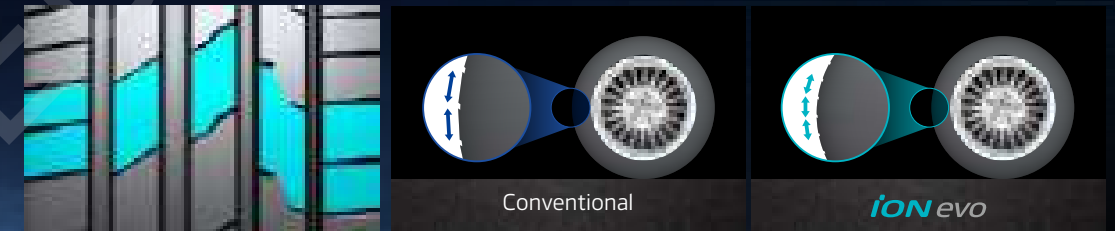


i Sound Absorber

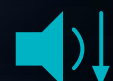
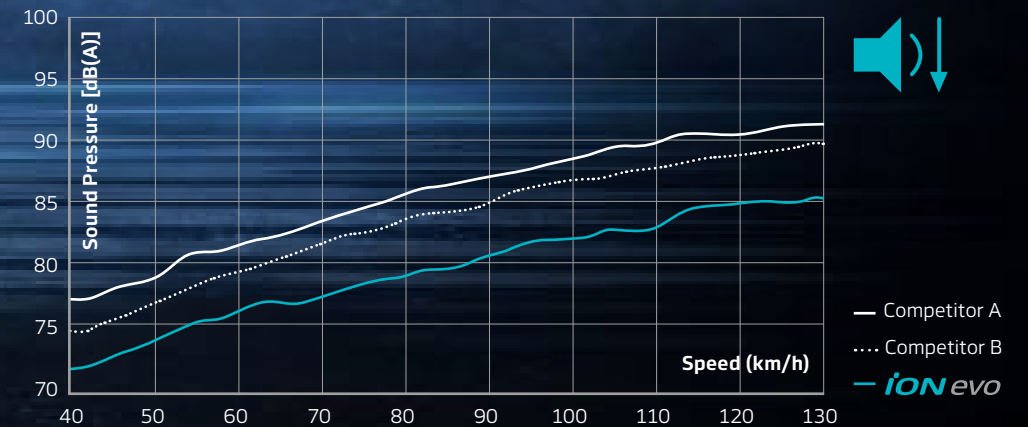
Minimized Tread Pattern Noise

Optimized Multi-Pitch Sequencing through Opti Pitch Technology

Tire noise can be drastically reduced by optimizing the pitch sequence. The iON evo (and SUV) has optimized the number and size of pitches to listen more to what matters.



Pattern Noise Test Result



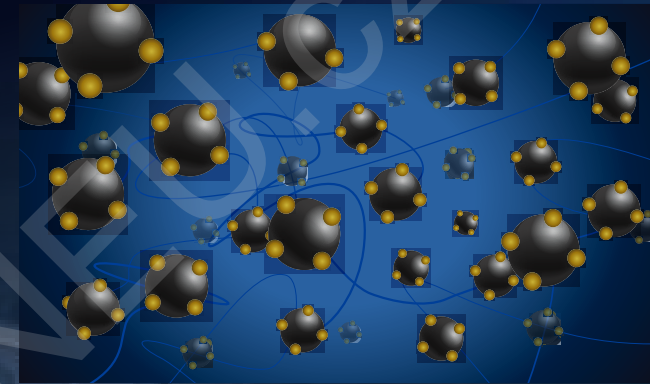
Go Further for More Experience

Even Tread Wear and Enhanced Mileage

Battery weight makes electric vehicles up to 30% heavier than ICE vehicles, which frequently causes uneven wear on tires. The iON evo is made of ProDurable Compound specifically made for electric vehicles to extend tire life in a healthier condition. iON evo through Round Even Technology evenly spreads out road pressure by optimizing contact structure and provides the overall lifespan with uniform tread wear.



i Super Mileage



Extended Tread Life

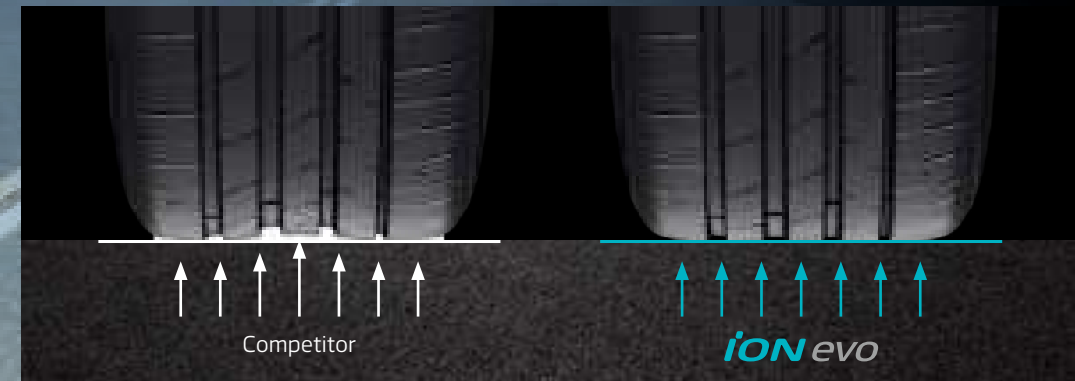
ProDurable Compound

Composed with advanced fillers and flexible rubber materials, ProDurable Compound provides higher mileage.

Even Tread Wear

Round Even Technology

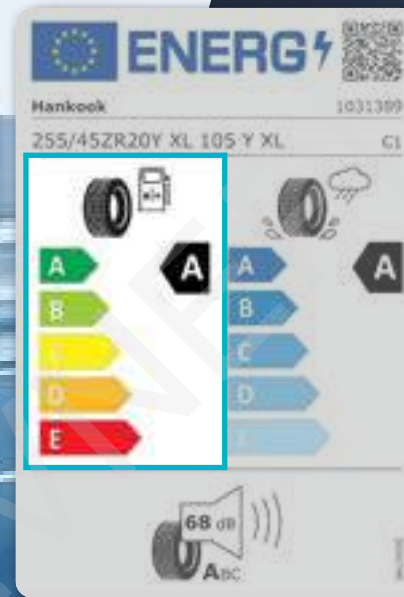
Tires equipped on electric vehicles wear out approximately 20% faster with uneven wear than on ICE vehicles. iON evo achieves uniform contact pressure by optimizing contact structure through Round Even Technology. The iON evo provides longer usage and less frequent replacement.



Charge Less, Cruise More

Extended Range

Hankook understands the concerns of losing energy while driving Electric Vehicles. By reducing the rolling resistance through Opti Cure Tehcnology, the battery lasts longer to drive a longer distance. A few miles can be crucial during an emergency.



* EU label grade varies by size. Please refer to the 'Available Sizes' page for further information.

Extreme Lightness

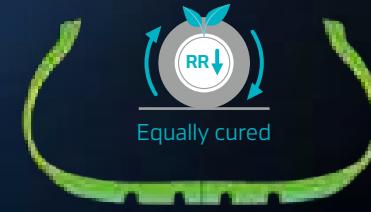
Further Reduced Rolling Resistance

Opti Cure Technology

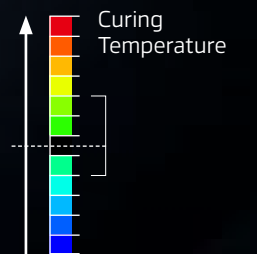
The iON evo achieved the highest grade of LRR performance by applying Opti Cure Technology which improves all parts of the tire equally.



OVER CURED



OPTIMIZED



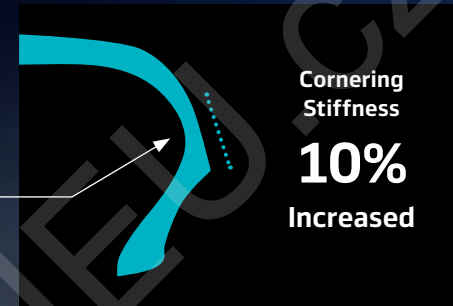
Be in Complete Control

Advanced Handling

Designed to bear the initial torque power of Electric Vehicle motors, the iON evo (and SUV) offers excellent handling and grip performance for premium electric vehicles.



i Perfect Grip



Enhanced Cornering Stability

Grip Boost Technology

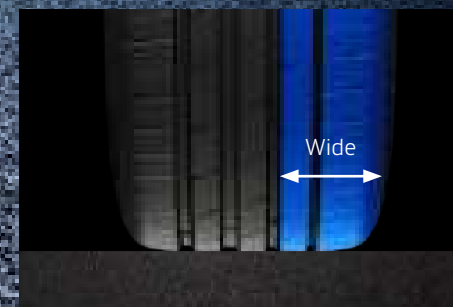
It is essential to improve tire stiffness to bear the weight of electric vehicles. Grip Boost Technology increases cornering stiffness by 10% to improve the electric vehicle's handling performance.



Improved Steering at High Speeds

Aramid Hybrid Reinforcement Belt

A reinforcement belt mixed with the most advanced fiber, Aramid, is applied on the iON evo (and SUV) to improve steering performance and maintain an optimized shape during high-speed driving.



Excellent Traction

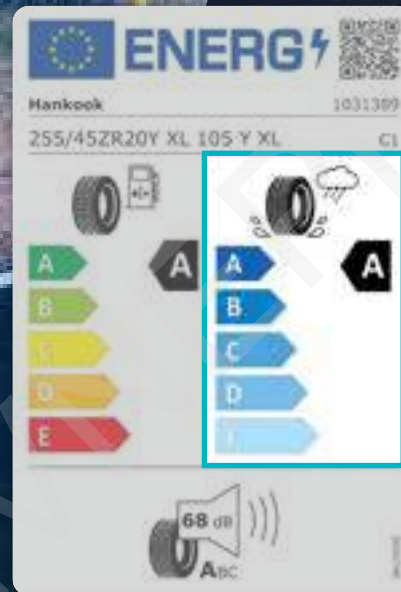
Extended Shoulder Blocks with Optimized Rigidity

To prevent slippage caused by the high torque of electric vehicles, the pattern block rigidity is optimized with extended outside shoulder blocks for maximum road contact.

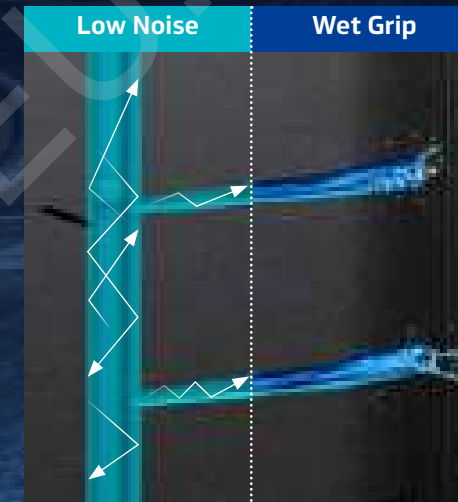
Grip Maintained in the Rain

Enhanced Wet Grip

By achieving grade A in the EU tyre labelling wet grip item for all available sizes, the iON evo (and SUV) provides guaranteed wet performance without missing noise reduction to maximize driving pleasure.



Wet Performance without missing Noise Reduction



Expanding Lateral Grooves

The lateral grooves are designed narrower on the inside to reduce air-pumping noise, and wider on the outside to secure wet performance. This is another double advantage of the iON evo (and SUV).

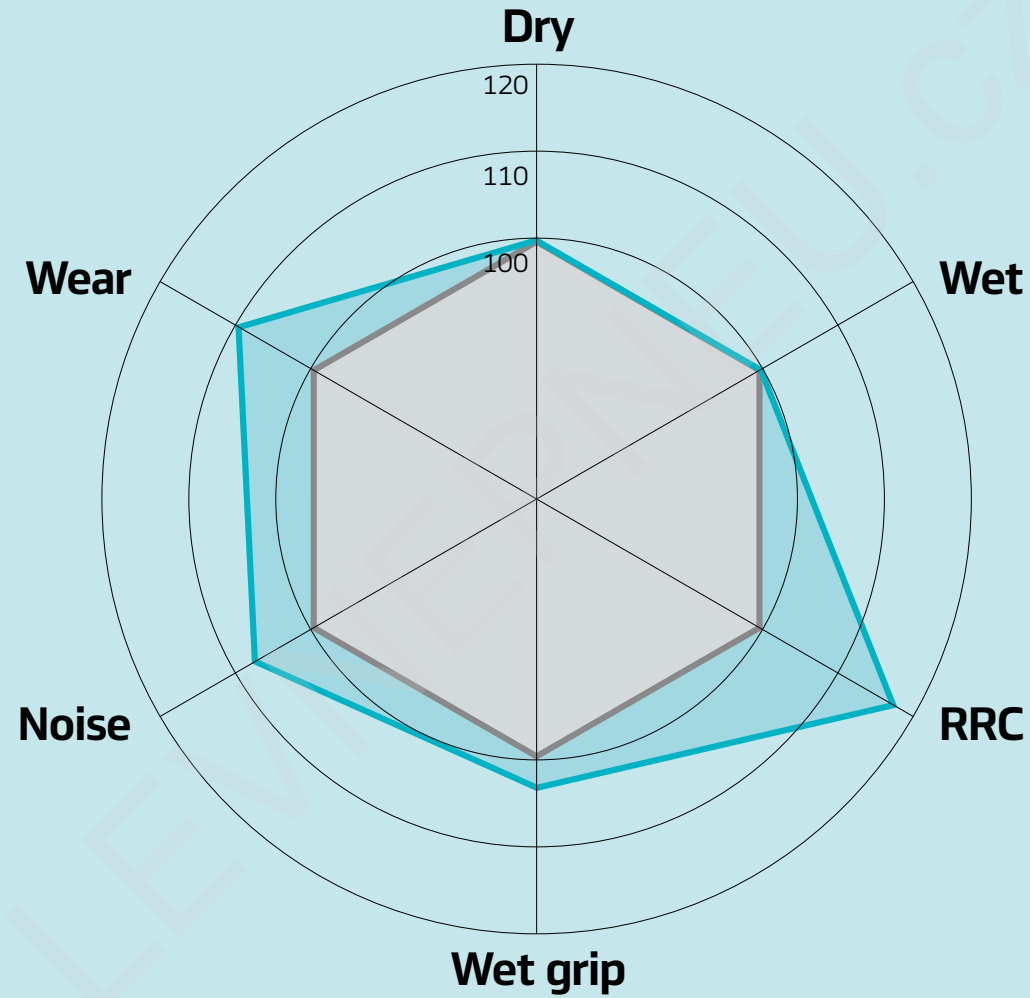
Optimized Groove Size

To prevent groove resonance while driving, the iON evo (and SUV) has optimized the size of grooves. Expanding the 2 grooves on the inside wider has also improved drainage performance.



Performance Results

Use this page internally, not for externally



● Competitor
● *iON evo*

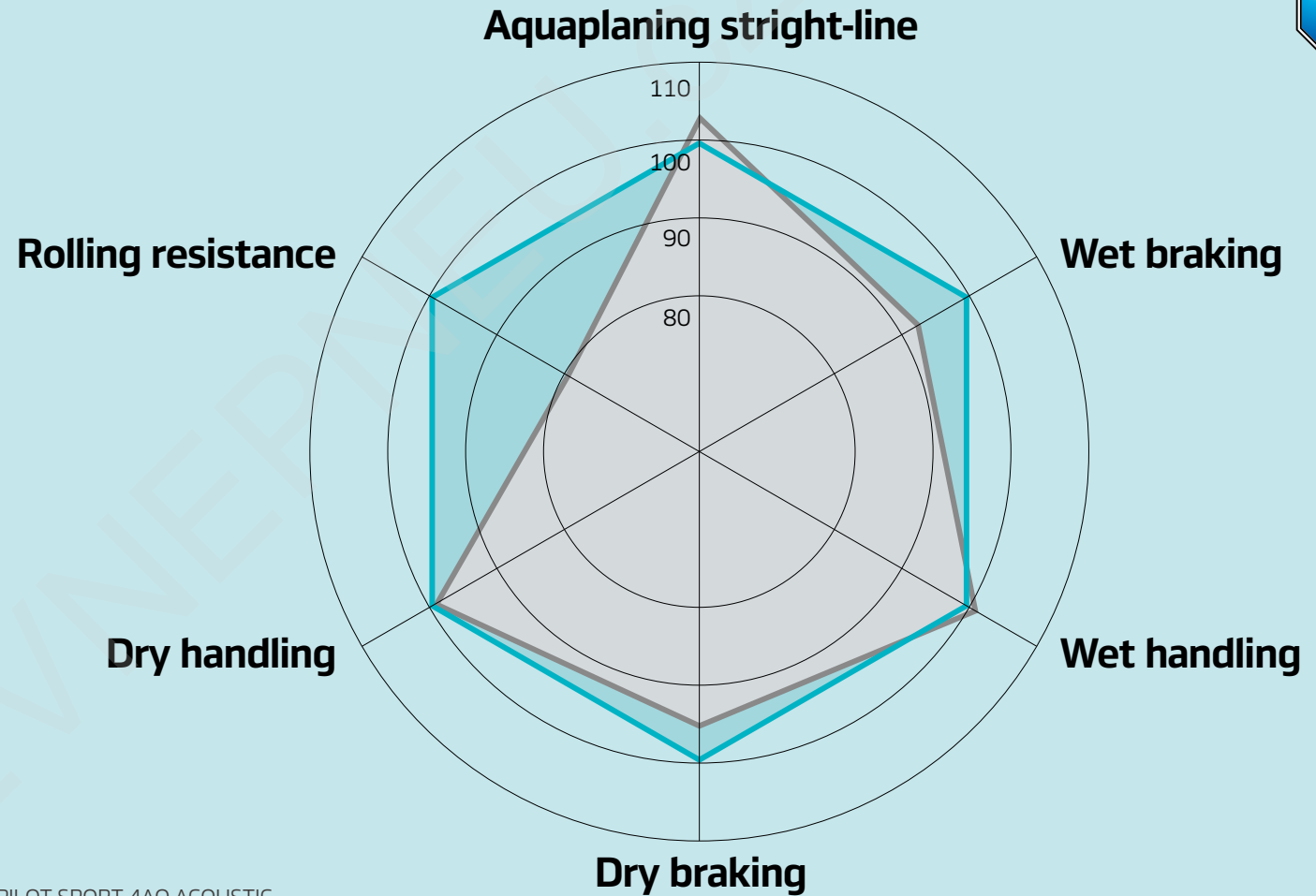
* Based on internal testing of iON evo versus MC Pilot sport 4 Tesla Model S OET in size 245/45R19Y XL.
On road results may vary. (Test Car: Model S)

TÜV SÜD - Tire Test 2022

245/45 ZR19 102Y XL - HANKOOK ION EVO



	HANKOOK iON evo	AVERAGE OF PREMIUM COMPETITORS
ROLLING RESISTANCE ECE R117 Annex 6	100%	79.9%
WET BRAKING ABS-braking, 80 to 20 km/h	100%	92.6%
WET HANDLING Subjective assessment	100%	101.2%
DRY BRAKING ABS-braking, 100 to 0 km/h	100%	95.9%
DRY HANDLING Subjective assessment	100%	99.5%
AQUAPLANING STRAIGHT-LINE Aquaplaning speed [km/h] at 15% slip	100%	103.1%
ROLLING NOISE ECE R117 Annex 3	70dB	71dB
WET GRIP INDEX ECE R117 Annex 5	1.75	-
HIGHSPEED TEST ADVANCED	100%	-



Compared to 4 Premium competitors :

BRIDGESTONEPOTENZA SPORT,GOODYEAREAGLE F1 ASY. 5,MICHELINPILOT SPORT 4,MICHELINPILOT SPORT 4AO ACOUSTIC

* Tested by TÜV SÜD Product Service GmbH in Papenburg March 2022 by order of Hankook tyre,
 Tyre Size: 245/45 ZR19 102Y XL; Test Car: Tesla Model S 85, Tesla Model S P100D, Audi Q5 Sportback 40TDI, VW Tiguan 2.0TDI
 Test Locations: Wet & Dry: IDIADA (E), WGI: ATP Papenburg(D), Noise: Neubiberg(D),
 Rolling Resistance: TÜV SÜD PS Garching(D) Report No. 713252186-BM01

● Hankook *ION evo*
 ● AVERAGE OF PREMIUM COMPETITORS

Tire Structure

EVolution Compound

Composed with high-concentration silica and eco-friendly materials, provides **satisfactory mileage and further reduced rolling resistance.**

Aramid Hybrid Reinforcement Belt

A reinforcement belt mixed with the most advanced fiber, Aramid, is applied on the iON evo (and SUV) to **improve steering performance and maintain an optimized shape during high-speed driving.**

High Strength Steel Belt

High strength steel belts are applied to absorb impact and **to improve durability and comfort.**

Mono Layer Structure of Fiber Stiffener

A mono layer of fiber stiffener with super turn up structure is applied to **reduce rolling resistance and to improve sidewall stability.**



Folded Edge Tape

Folded edge tapes are placed between belts for **additional durability.**

Jointless Bead Wire

Jointless bead wires help the tyre to remain safely attached to the wheel with **increased binding force.**

Available Sizes



Inch	Series	Size	Rolling Resistance	Wet Grip	Noise Class	PBN	Available vehicle
21	30	305/30ZR21Y XL	A	A	A	69dB	Taycan, Etron GT
	35	245/35ZR21Y XL	B	A	A	69dB	Model S
		265/35ZR21Y XL	B	A	A	68dB	Model S, Taycan, Etron GT
20	35	235/35ZR20Y XL	B	A	A	69dB	Model 3
	40	285/40ZR20Y XL	A	A	A	69dB	Taycan, Etron GT
	45	245/45ZR20Y XL	B	A	A	69dB	Taycan, Etron GT
19	45	245/45ZR19Y XL	A	A	A	69dB	Model S, IONIQ 6
18	45	235/45ZR18W XL	B	A	A	69dB	Model 3
	55	225/55ZR18W XL	B	A	A	69dB	IONIQ 6



Inch	Series	Size	Rolling Resistance	Wet Grip	Noise Class	PBN	Available vehicle
22	35	285/35ZR22W XL	A	A	A	69dB	e-tron, Model X
		295/35ZR22Y XL	A	A	A	69dB	Macan BEV
	40	255/40R22V XL	B	A	A	68dB	I-PACE
21	35	255/35ZR21W XL	B	A	A	68dB	Model Y
		275/35ZR21Y XL	A	A	A	68dB	Model Y
	40	295/40ZR21Y XL	A	A	A	69dB	Macan BEV
	45	255/45ZR21Y XL	A	A	A	68dB	Macan BEV
20	40	255/40ZR20W XL	B	A	A	68dB	Model Y
		255/45ZR20Y XL	A	A	A	68dB	e-tron, Model X, ID.4, IONIQ 5, EV 6
	45	285/45R20H XL	A	A	A	69dB	e-tron
		50	245/50R20V XL	A	A	A	69dB
19	55	235/55ZR19Y XL	A	A	A	69dB	e-tron, ID.4, IONIQ 5, EV6, GV60
	60	235/60R19V XL	A	A	A	69dB	Macan BEV
18	65	235/65R18V XL	A	A	A	69dB	I-PACE



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