



ECSTA PS91

Size / Applicable vehicle model

Size	Size / Applicable vehicle model
30 Series	
* 255/30 ZR19 XL (91Y)	BENZ C63AMG(R), BMW 335i/335Ci/Z4(R)
285/30 ZR19 XL (98Y)	BENZ E/CLS/SL Class(R)
295/30 ZR19 XL (100Y)	PORSCHE 911(R), AUDI R8(R), LAMBORGHINI Gallardo(R)
* 305/30 ZR19 XL (102Y)	PORSCHE 911(997)(R)
295/30 ZR20 XL (101Y)	PORSCHE New 911(R), BMW M5/M6(R)
35 Series	
* 225/35 ZR19 XL (88Y)	BMW Z4/335i/335Ci(F)
235/35 ZR19 XL (91Y)	VOLKSWAGEN Scirocco, PORSCHE 911(F), PORSCHE Boxster/Cayman(F), AUDI R8(F), LAMBORGHINI Gallardo(F)
245/35 ZR19 XL (93Y)	HYUNDAI Genesis Coupe(Wide)(F), BMW 1M/M3(F)
255/35 ZR19 XL (96Y)	AUDI A6/S4/S5, BENZ E/CLS/SL Class(F)
265/35 ZR19 XL (98Y)	HYUNDAI Genesis Coupe(Wide)(R), BMW 1M/M3(R)
* 275/35 ZR19 XL (100Y)	BMW 5/6 Series(R), JAGUAR XK(R)
* 235/35 ZR20 XL (92Y)	PORSCHE BoxsterS/CaymanS(981)(F)
245/35 ZR20 XL (95Y)	PORSCHE New 911(F)
* 265/35 ZR20 XL (99Y)	PORSCHE BoxsterS/CaymanS(981)(R), BMW M5/M6(F), AUDI S7/A7
40 Series	
* 225/40 ZR19 XL (93Y)	LEXUS IS-F(F), HYUNDAI Genesis Coupe(F)
* 245/40 ZR19 XL (98Y)	BMW 5/6 Series(F), JAGUAR XK(F), MASERATI GranTurismo(F)
* 255/40 ZR19 XL (100Y)	AUDI A7, VOLKSWAGEN Phaeton
* 285/40 ZR19 (103Y)	PORSCHE Panamera(R), MASERATI GranTurismo(R)
* 275/40 ZR20 XL (106Y)	CHEVROLET Camaro(R)
45 Series	
* 255/45 ZR19 XL (104Y)	PORSCHE Panamera(F), AUDI A8, LINCOLN MKS
* 245/45 ZR20 XL (103Y)	CHEVROLET Camaro(F)

* It is to be released in the 4th quarter of 2013.



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ECSTA PS91



UHP Positioning



Test Result

Comparison test with Product P from Company A



- Test product (size): 235/35R19 (front wheel), 295/30R19 (rear wheel)
- Test vehicle: Porsche GT3 RS
- Test place: Yeongam F1 Circuit

Comparison test with Product P from Company B



Ultra High Performance

Dynamic tread design

- A 3-dimensional block design **C-Cut 3D** including a wider shoulder, rib-type centre block design and an advanced belt package provide high speed stability.

Compound

- A highly functional tread compound devised from Kumho motorsport technology provides under tread strength and optimised grip.

High-stiffness rim flange design

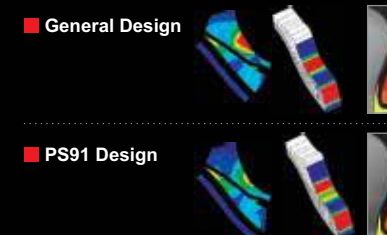
- Optimised strength around the rim flange area provides an improved rim protector and greater sidewall strength.

Cooling system

- The ECSTA PS91 tread contains heat releasing dimple technology (heat dissipating block pattern) maximising thermo-diffusion and high-speed durability.

Superior Speed rating

- The PS91 contains a Y Speed rating - the highest speed rating for tyres providing stability, durability and running performance at speeds in excess of 300km/h.



General Performance & Design

Ride quality

- Vibration suppression via tread / sidewall structure optimisation increases ride quality

Braking capability

- Three dimensional block and maximum grip compound



[Test condition: 130km/h high speed dry braking test / company PG]

Design

- Design for the value of high-end premium vehicles
The dynamic racing flag icon is a unique point of ECSTA PS91



- Trendy sidewall design with triangular engraving

Noise reduction

- Optimised inside / outside block configuration for low noise design



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