MICHELIN POWZF (FURS)



MICHELIN POWZP (TOPO)

THE LIGHTEST* DUAL-COMPOUND SPORTS TYRE EVER DESIGNED

Thanks to MICHELIN's Light Tire Technology (LTT), the MICHELIN Power Pure tips the scales at 1kg less than rival tyres*! The result is nimbler handling and a more enjoyable ride.

A pointer to its potential: it has been chosen by Yamaha for the brand new R1 2010.





^{*} Average weight of a set of front and rear MICHELIN Power Pure tyres compared with the average weight of the following rival tyres (listed in alphabetical order): Bridgestone BT-016, Dunlop Qualifier 2, Metzeler Sportec M3, Pirelli Diablo Rosso.

MICHELIN POWER PURE: for whom?

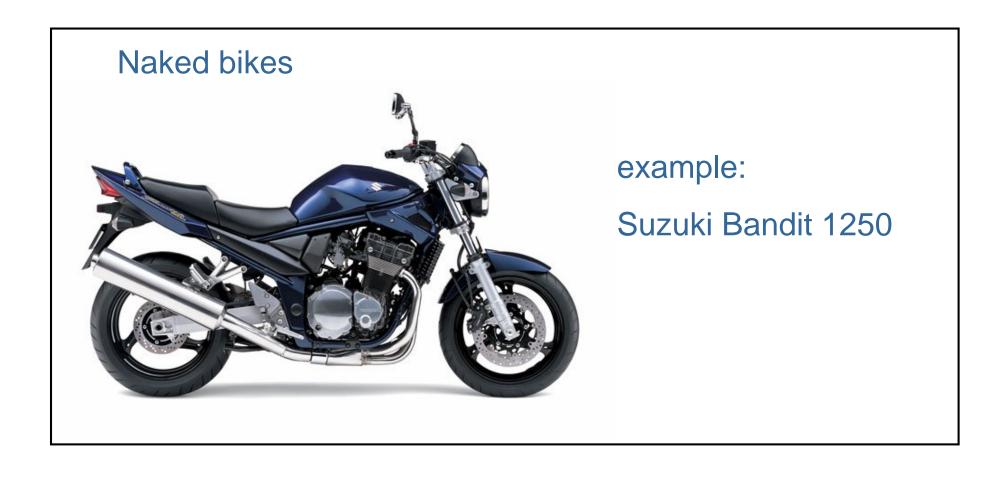




example:

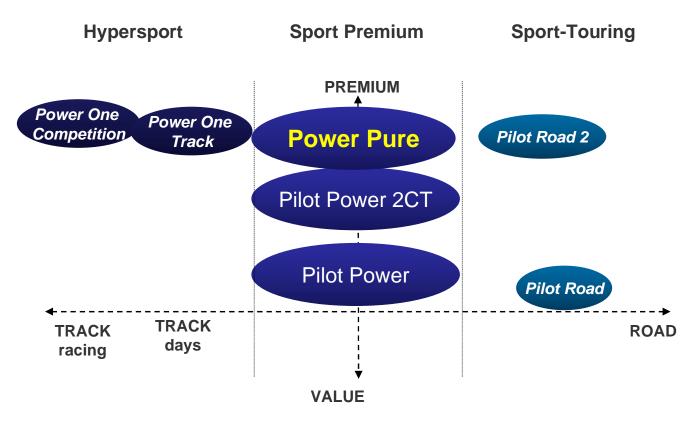
Honda CBR 600 RR

MICHELIN POWER PURE: for whom?



Positioning





MICHELIN POWZP (TURE)

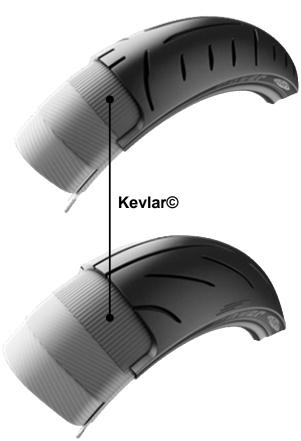
Product information





MICHELIN Light Tire Technology

- 1. Weight saving was the focus during the development.
- 2. Use of high tech materials like synthetic fibre **DuPont™ Kevlar©:**
 - = 5 times more resistant than the equivalent weight of steel
- 3. **no change** in tread pattern depth!





MICHELIN Light Tire Technology benefits

1 kg weight saving against competitor tyres*



10% less centrifugal power against competitor tyres**



More agility and a more enjoyable ride

^{*} Average weight of a set of front and rear MICHELIN Power Pure tyres compared with the average weight of the following rival tyres (listed in alphabetical order): Bridgestone BT-016, Dunlop Qualifier 2, Metzeler Sportec M3, Pirelli Diablo Rosso.

^{**} Average decrease in centrifugal power of a set 120/70 ZR 17 and 190/50 ZR 17 MICHELIN Power Pure compared with the following rival tyres (listed in alphabetical order): Bridgestone BT-016, Dunlop Qualifier 2, Metzeler Sportec M3, Pirelli Diablo Rosso.

MICHELIN Light Tire Technology

A set MICHELIN Power Pure (120/70 & 190/50) is nearly 10% – around **1 kg** – lighter than the next competitor.

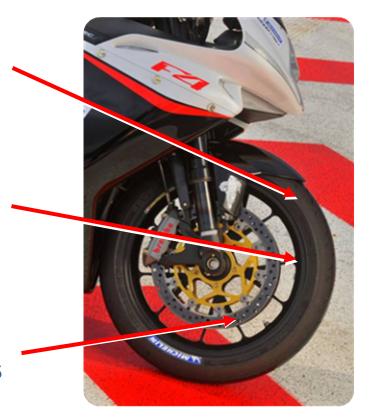


	weight in kg	difference in kg vs.
	120/70 ZR 17	MICHELIN
	190/50 ZR 17	Power Pure
MICHELIN POWDF CRURE	9,59	
Metzeler Sportec M3	10,62	1,03
Bridgestone BT-016	10,70	1,11

Saving 1 KG on the tyres

Saving 3 KG on the wheels

Saving 4 KG on the brake discs



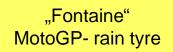
*Pair of Marchesini Aluminium wheels homologated for road use: 9.9 kg / OE Yamaha R1 12.9 kg

TREAD PATTERN

The tread pattern of MICHELIN Power Pure was inspired from the « Fontaine » full-wet tread pattern from MotoGP.

ensures outstanding
performance in the wet =
gives total confidence to the
pilot.





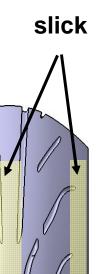


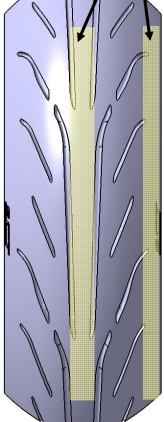


Tread pattern

center and shoulders of the tyre are "slick":

- center: to ensure maximum traction during full-throttle straight-line acceleration
- shoulders: to ensure maximum grip while on lean angle cornering beyond 40°

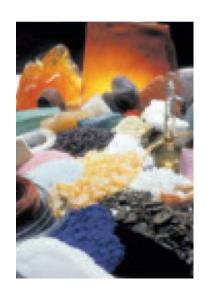




Tread compound

Power Pure has a nearly 100% silica tread compound formulation :

- to improve dry- and wet-grip
- to reduce tyre warm-up time



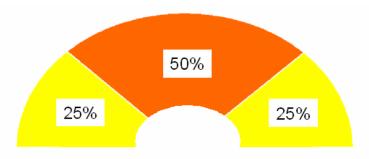


Tread compound distribution



Front tyre:

The maxi-grip soft compound is placed on the two shoulders to provide maximum grip starting with lean angles of only 24°.



The harder of the two compounds makes up 50% of the tread rolling surface and is placed in the middle of the tire. This provides the necessary rigidity and feedback required from a front tire, while also giving exceptional longevity even under the strains of heavy braking.

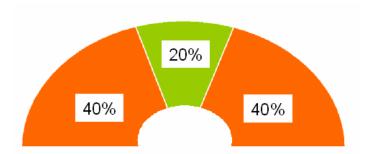
Tread compound distribution



Rear tyre:

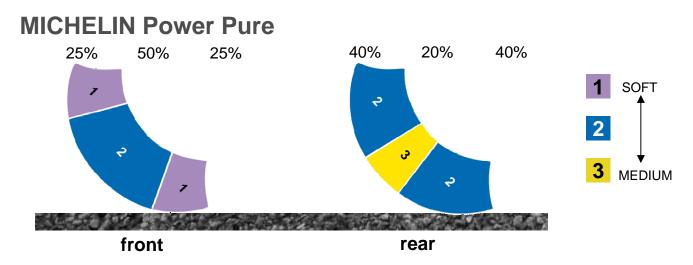
With lean angles as low as 20°, the maxigrip soft shoulder compound makes up 98% of the contact patch of the rear tire providing maximum traction and grip for braking and acceleration.

The harder of the two compounds makes up 20% of the tread rolling surface and is placed in the middle of the tire.

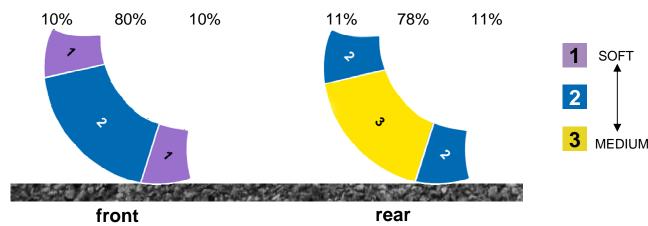




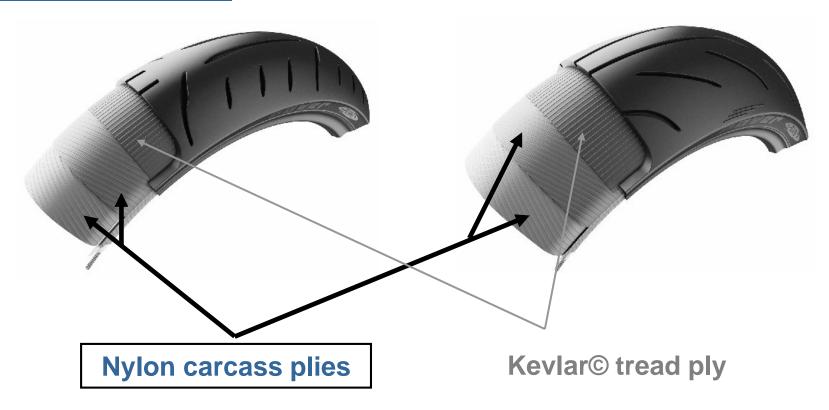
Tread compound distribution



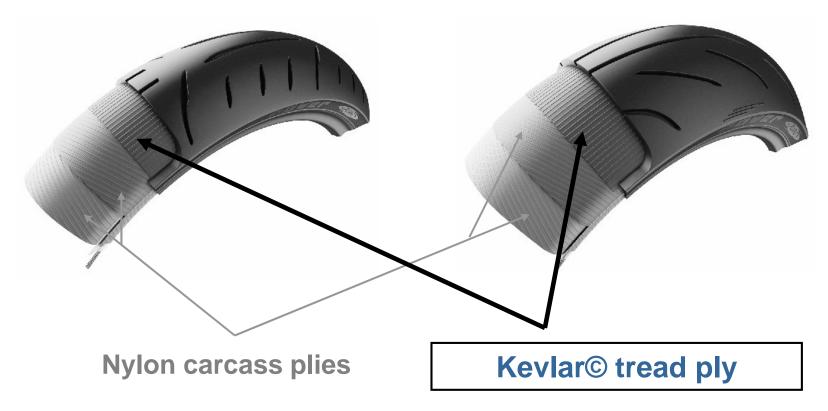




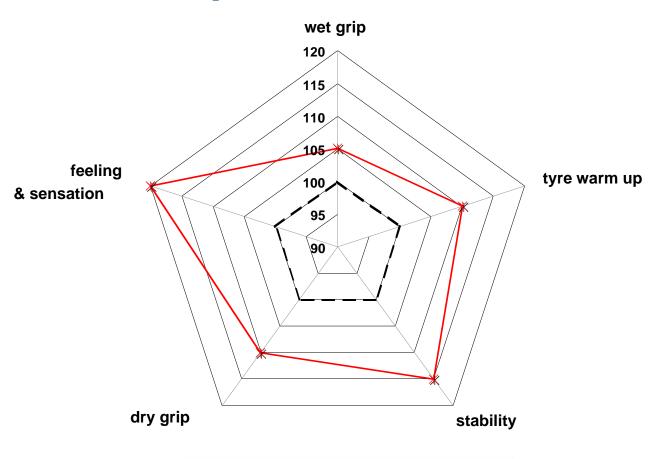
Tyre architecture



Tyre architecture



Performance spider chart



Dimensions

120/60 ZR17 M/C (55W) POWER PURE F TL
120/70 ZR17 M/C (58W) POWER PURE F TL
160/60 ZR17 M/C (69W) POWER PURE R TL
180/55 ZR17 M/C (73W) POWER PURE R TL
190/50 ZR17 M/C (73W) POWER PURE R TL
190/55 ZR17 M/C (75W) POWER PURE R TL

Recommended fitment for hyper bikes:
Hayabusa, Blackbird (replacement for Pilot Sport HPX)