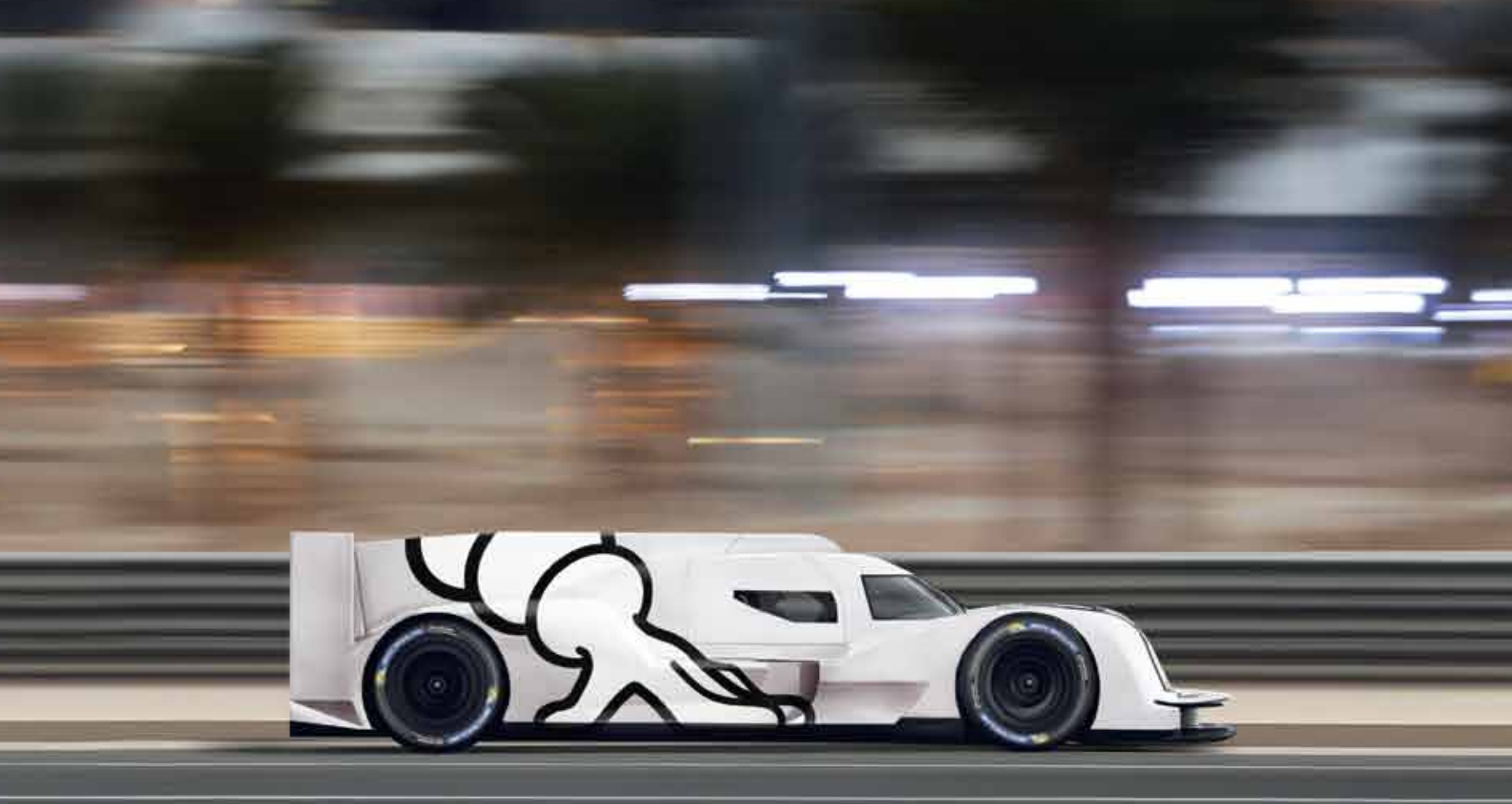


2017 MICHELIN TYRE PRODUCT GUIDE

MICHELIN

A better way forward

2017
MICHELIN TYRE
PRODUCT GUIDE

From passenger cars to the luxury cars and motor sports,

MICHELIN TECHNOLOGY ALWAYS LEADS THE MARKET.

- The biggest R&D center in the industry (with around 7,000 researchers)
- Le Mans 24H championship for 18 consecutive years (25 championships so far)
- Over 45 championships in the World Rally Championship (WRC)
- Over 80 championships in the Dakar Rally
- Highest speed of 431 km/h in the Guinness Book of Records

MICHELIN
WORLDWIDE

MICHELIN produces approximately 180 million unit of tyres annually at 68 factories in 17 countries, and supplies the same best-quality tires in 170 countries through stringent quality control.

68 factories in 17 countries(5 continents) **with R & D centers** for each continent

MICHELIN
A LEADING GLOBAL TYRE MANUFACTURER WITH THE TECHNOLOGY OVER 125 YEARS

Since its founding by André Michelin and Édouard Michelin in 1889, MICHELIN has been leading all tyre lines as the industry leader of technology development and innovation.

Safety / Durability / Fuel Efficiency

MICHELIN
TOTAL PERFORMANCE

Michelin always aims to bring together multiple performances.
At MICHELIN, we continuously push safety, durability and fuel efficiency, and even more performances, all at the same time and with no trade-offs. That's what we mean by MICHELIN® Total Performance™, which has and will always be our difference on every tyre.

MICHELIN PRODUCT GUIDE

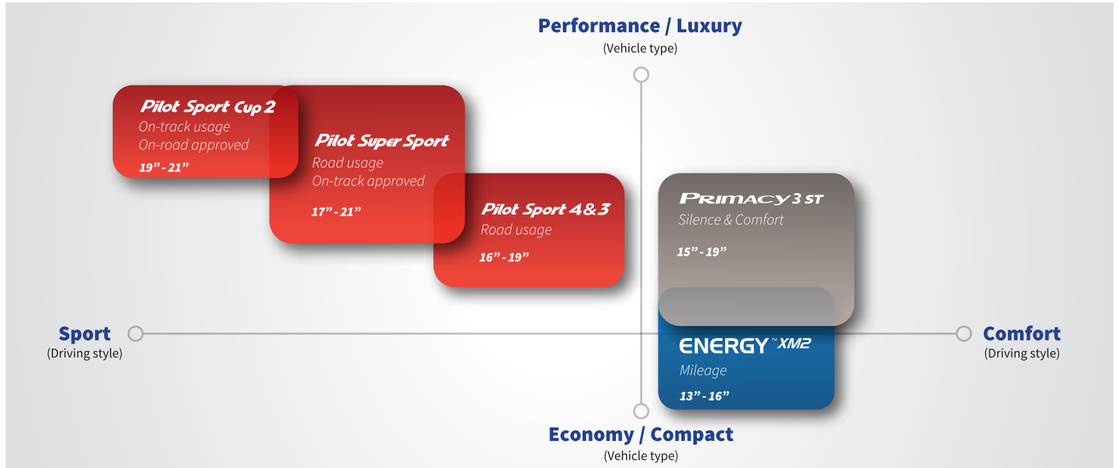
CONTENTS

MICHELIN TYRE Product Guide	08
MICHELIN TYRE Size Lineup	44
MICHELIN TYRE Pattern by Car	00

MICHELIN TYRE

PRODUCT GUIDE

MICHELIN Passenger Car Tyre Positioning Map & Product Lineup



SPORT

Racing-born performance sports tyre for drivers who want sporty driving.

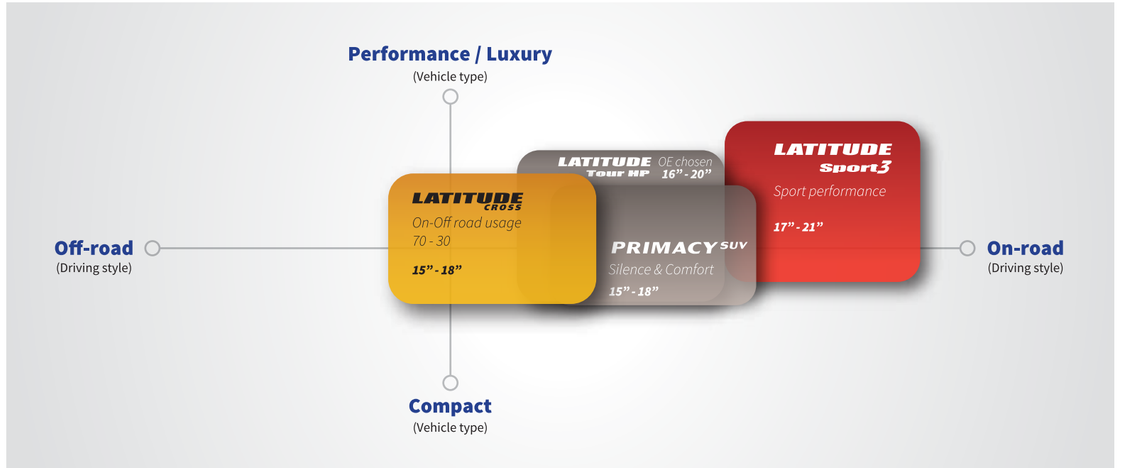
Sedan

Longer lasting tyre with fuel saving and maximize safety for your daily use

Premium Sedan

Premium tyre with the utmost comfort, lowest tyre noise, and superior handling performance.

MICHELIN SUV Tyre Positioning Map & Product Lineup



High Performance

The high performance SUV tyre, acclaimed for its driving dynamics and safety

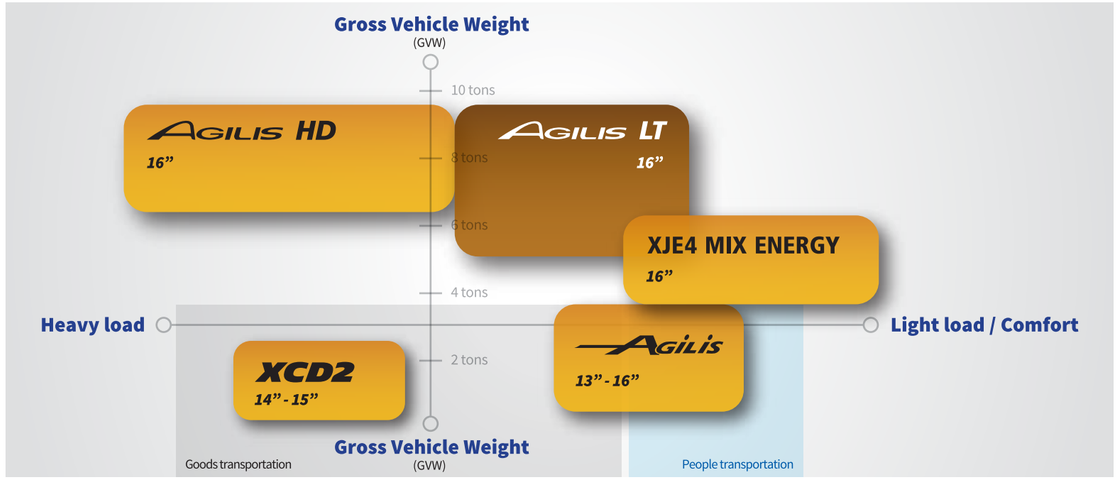
On Road

The on road SUV tyre which gives you a comfort ride

Multi-purpose

The multi-purpose SUV tyre that gives the traction of an off-road tyre, the comfort of an on-road tyre, with exceptional mileage

MICHELIN Commercial / Light Truck Tyre Positioning Map & Product Lineup



Light Load

For the professionals, MICHELIN tyres offer higher mileage, fuel efficiency and it is stronger

Heavy Load

Your trusted partner to carry your loads safely

MICHELIN TYRE
PRODUCT GUIDE

MICHELIN
A better way forward

Pilot Sport Cup 2

Offers 50% more laps[5] and faster lap times[1] thanks to technologies from Endurance Competition

01 Faster on a dry track

1.8 seconds over 5 laps [1]
Bi-Compound Technology [2]

02 Faster on a wet track

1.2 seconds over 5 laps [3]
+20% deeper tread depth [4]

03 50% more track laps [5]

Track Longevity Technology 2.0 combines Variable Contact Patch 3.0 with a race inspired reinforced shoulder construction

04 Developed in partnership with Mercedes AMG, Porsche and Ferrari [6]

[1] Pilot Sport Cup 2 compared with the Pilot Sport Cup+ on the Jerez track (Spain)
[2] Tread compounds of the same family as the new Porsche CUP N2 (Cran S9) racing slick tyres
[3] Pilot Sport Cup 2 compared with the Pilot Sport Cup+ on the Ladoux track (France)
[4] As compared with the previous generation MICHELIN Pilot Sport Cup+
[5] Pilot Sport Cup 2 compared with the Pilot Sport Cup+ on the Jerez track (Spain)
[6] MICHELIN Pilot Sport Cup 2 equips the AMG SLS Coupe Black Series, the 911 GT3 (991), the 918 Spyder and the 458 Speciale

For more information, go to www.michelin.country

TECHNOLOGY

Bi-compound Technology

2 different types of compound used in the inner and outer treads

- Outer : exceptional grip especially in tight bends
- Inner : optimized steering control and wet grip

Track Longevity Technology 2.0

Reinforced shoulder construction

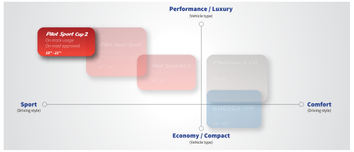
- Improved endurance/ track longevity

Deeper Tread Depth

20% deeper tread : Less aquaplaning and improved safety on wet surfaces

Pilot Sport cup	Pilot Sport cup+	Pilot Sport cup2
4.4mm	4.5mm	5.4mm

POSITIONING MAP



KEY VEHICLE FITMENTS

Porsche 911
Ferrari 458

KEY OE AWARDS

Porsche 911, 991, 918, Cayman
Ford Mustang
Mercedes Benz SLC190 AMG
BMW M4
Koenigsegg Regera
Bugatti Chiron

MICHELIN
A better way forward

Pilot Super Sport

Designed especially for high performance super sport cars and ultra-high performance tuning

01 **Safety even in the most demanding conditions**

3 metres shorter braking distance on wet roads [1]

Number 1 in dry handling [2]

02 **The fastest tyre** [3]

6 Guinness World Records with the Koenigsegg Agera R

03 **Developed with Porsche, BMW M and Ferrari**

04 **Technologies coming from 16 consecutive victories at the 24 hours of Le Mans**

[1] Test carried out by Michelin Technology Centre. Compared with MICHELIN Pilot Sport PS2

[2] Tests carried out in 2010 by TV SD, compared to its 5 premium competitors (available on the market at the time)

[3] The fastest lap time on a dry track. Tests carried out in 2010 by TV SD, compared to its 5 premium competitors (available on the market at the time)

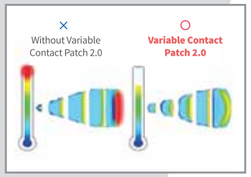
For more information, go to www.michelin.country

TECHNOLOGY

Handling & Response

Superior stability at high speeds

- High-density and ultra-light materials with 5-times higher durability than steel
- Controls tread deformation caused by centrifugal force at high speeds



Variable Contact Patch 2.0

Optimal grip in different driving conditions

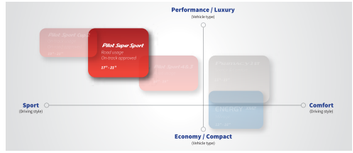
- When cornering, the shape of the contact patch changes but the amount of rubber in contact with the road surface stay the same for optimum grip and evenly distributed forces and temperatures over the contact patch

Dual compound technology

Excellent stability on dry and wet roads

- Outer : Extreme grip and endurance even under the tightest cornering thanks to technology derived directly from the Le Mans 24 Hour Race
- Inner : Exceptional wet grip thanks to the latest generation of elastomers

POSITIONING MAP



KEY VEHICLE FITMENTS

Porsche 911
Ferrari 458
BMW M3, M5
Mercedes Benz SL63 AMG

KEY OE AWARDS

Porsche Panamera
Ferrari FF, F12, 458
Mercedes Benz SL AMG
Mercedes Benz C63 AMG
BMW M2, M3, M4 GTS, M5, M6, X4, X5M, X6M
BMW 5-Series, 7-Series
Cadillac CTS
Chevrolet Corvette
Lexus LF-LC
Tesla Model S

MICHELIN
A better way forward

Pilot Sport 4

High performance sports tyre with quick response and precise handling

01 Excellent steering control and high level of reactivity

A hybrid belt of Aramid and Nylon ensures optimum transmission of steering instructions onto the road

02 High level of safety on wet roads

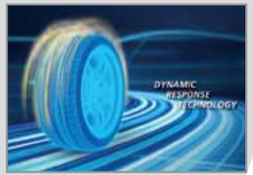
A new mix of compound provides excellent wet grip and braking

03 Excellence in longevity

04 Premium Touch

Exterior sidewall with Velvet Touch feature for a distinctive and elegant look

TECHNOLOGY



Dynamic Response Technology

- Formula E inspire tread pattern design optimized for superior grip and precision control
- 10% more contact surface ratio compared to Pilot Sport 3
- The hybrid aramid/nylon belt ensures optimum transmission of steering instruction onto the road as quick and precise as possible

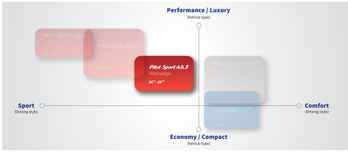
New compound mix

- A new mix of compound with specific "functional elastomers" and silica provides excellent wet grip and braking
- Wide and deep longitudinal grooves ensure a high level of drainage on wet roads

Velvet Touch feature

- First premium sport tyre featuring velvet design on the sidewall for a more distinctive, elegant look

POSITIONING MAP



KEY VEHICLE FITMENTS

MINI Cooper
Volkswagen Golf
Mercedes Benz C Class
Audi A4, A6

KEY OE AWARDS

Porsche Panamera
Mercedes A-Class
Audi A4, A5, A8
Mercedes A-Class
Nissan QASHQAI
Opel Corsa
Peugeot 208
Volvo S90

Pilot Sport 3

Designed for driving pleasure and security in both wet and dry conditions

01 Outstanding safety

3 metres shorter braking distance on wet roads [1]

02 More driving pleasure

Better cornering
Very precise steering recognized by car manufacturers [2]

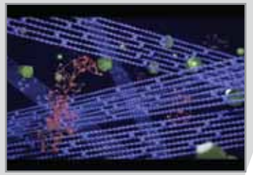
03 Better longevity

10% more wear life and even more fuel saving [3]

[1] Tests conducted in 2009 by the independent TV SD. Compared with MICHELIN Pilot Sport PS2
[2] Fitment to AMG SL, CLS and S-Class 3
[3] Based on internal test in 2009. Compared with MICHELIN Pilot Preceda PP2

For more information, go to www.michelin.country

TECHNOLOGY



Sport power compound

Superior wet performance and improved tyre longevity with a groundbreaking tread compound

Anti Surf System

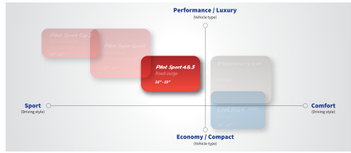
Optimal drainage tyre design

Tread compound

- Superior grip ensured by quickly warming up the tyre at low speeds
- Stable handling maintained by controlling excessive heating at high speeds

All claims are made in comparison to the previous generation of MICHELIN Pilot Sport tyres

POSITIONING MAP



KEY VEHICLE FITMENTS

MINI Cooper
Volkswagen Golf
Audi A4, A5

KEY OE AWARDS

Mercedes E-Class
BMW 5-Series
Audi Q3
Volvo S60
Volkswagen Golf
Tesla Model S

MICHELIN
A better way forward

PRIMACY 3 ST

Keeps noise out and comfort in. Offers to a safer and more peaceful drive every day.

01 A class leading quiet drive

8% quieter than leading competitors [2]

02 Maximum safety

2.9 meters shorter braking distance on wet roads [2] compared to leading competitors

03 Lasts longer

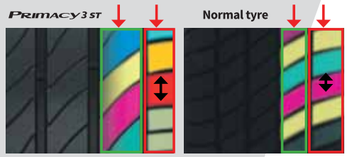
25% better in longevity compared to its previous generation [3]

[1] LEQ – Equivalent Sound Pressure Level. Based on vehicle test conducted in Japan in 2012 (Both Road noise and Pattern noise)

[2] Based on TUV Rheinland Australia Pty Ltd. wet braking test report conducted in 2013

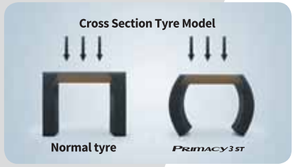
[3] Based on internal test conducted in Thailand, compared with MICHELIN Primacy LC

TECHNOLOGY



EvenPeak Technology

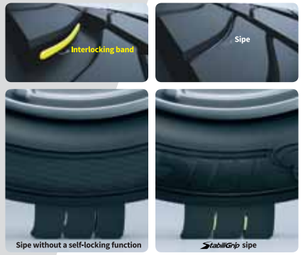
- Reduced noise by spreading out the noise over different configurations of tread blocks [1]



Flexible tread compound cushions vibrations

CushionGuard Technology

- Keeps the ride smooth, steady and comfortable by cushioning vibrations and absorbing bumps in the road



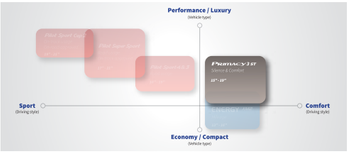
FlexMax Technology

- Better connection & grip with the road by adapting to the shape of the road

StabiliGrip Technology

- Better braking and handling with more stable tread blocks in your Primacy 3 ST tyre

POSITIONING MAP



KEY VEHICLE FITMENTS

Audi A4, A6
BMW 3-Series, 5-Series
Honda Accord, Civic
Lexus LS430
Mercedes Benz C, E, S-Class
Toyota Camry, Altis

KEY OE AWARDS

BMW 1-Series
Volvo S90
Honda CRV
Toyota Camry

[1] LEQ – Equivalent Sound Pressure Level. Based on vehicle test conducted in Japan in 2012 (Both Road noise and Pattern noise)

MICHELIN
A better way forward

ENERGY™ XM2

Lasts 20% longer with maximum safety

01 More mileage

20% more mileage compared to leading competitors [1]

02 Maximum safety

Stops 1.2 metres shorter than the average of competitors [2]

03 More fuel saving

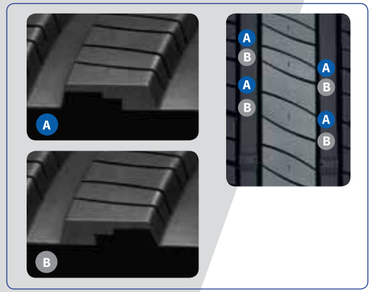
8% reduction in rolling resistance to save fuel [3]

[1] Based on TUV Rheinland (Thailand) report in 2011; Toyota Vios J 1.5 2007; Tyre Size: 185/65R14 86H; Air Pressure (F/R): 33/30 psi.

[2] Based on internal test conducted in 2010 in Japan. Toyota Corolla Axio 2007. Tyre Size: 195/65R15 91V.

[3] Based on internal test conducted in 2011 and verified by TÜV, compared to MICHELIN Energy XM1.

TECHNOLOGY



MICHELIN "Alternating Bridging"

Traditional Full Depth Sipe

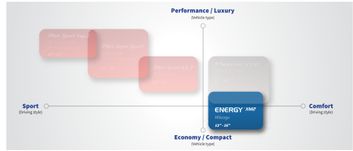
Alternating Bridging Technology - for more mileage

- Alternating tread blocks move less when your car is running, reducing the rate of wear. Thus your tyres last longer

Full Silica Compound - for fuel savings

- Your Energy XM2 tyre's compound contains silica, which lowers the tyre's heat when it's running, and thus reducing fuel consumption

POSITIONING MAP



KEY VEHICLE FITMENTS

Honda Civic, City, Brio, Jazz/Fit
Toyota Altis, Yaris, Vios
Toyota Prius, Innova, Avanza
Nissan Sylphy, Almera, March

MICHELIN
A better way forward

LATITUDE Sport 3

Acclaimed for its driving dynamic and safety[1]

01 Engineered to excel under wet conditions

2.70 metres[1] shorter braking distance thanks to new tread compound and increased void ratio

02 25% Lower rolling resistance[2]

Variable thickness sipes reduce tread block deformation, improves rolling resistance

03 10% Better longevity[3]

Innovative tread compound

04 Chosen by some of the World's Best Vehicle Manufacturers

The choice of SUV and Crossover manufacturers such as Porsche and BMW

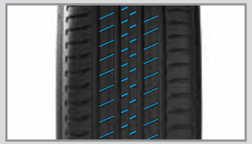
[1] Test conducted in 2013 by Germany's independent TV SD Automotive centre using size 235/65R17 on wet road, compared with the MICHELIN Latitude Sport tyre

[2] Test conducted in April 2013 by TUV Sud Europe

[3] Tests conducted in July 2013 by DEKRA Test Centre (Europe)

For more information, go to www.michelin.country

TECHNOLOGY



Auto-blocking sipe

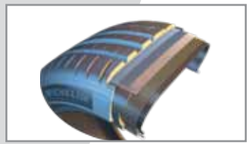
- Optimum braking performance by auto-blocking sipe
- Improved fuel economy with reduced tread deformation by bands between blocks

Innovative tread pattern

- Improved wet braking and mileage with latest MICHELIN compound technology and optimized groove spacing

Sports compound

- Reinforced safety in rainy conditions with the sports compound of Pilot Sport 3
- Improved fuel economy with heat control by applying the compound silica



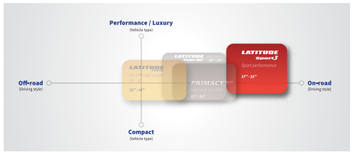
Double casing ply

- High durability ensured by applying double casing ply

(* Some sizes excluded)

All claims are made in comparison to the previous generation of MICHELIN Latitude Sport tyres

POSITIONING MAP



KEY VEHICLE FITMENTS

Porsche Macan, Cayenne
BMW X6

KEY OE AWARDS

Mercedes Benz GLK
BMW X3, X5, X6
Porsche Macan, Cayenne
Volvo XC60, XC90

MICHELIN
A better way forward

LATITUDE Tour HP

On-road SUV tyre gives you maximum comfort and last longer

01 Optimized comfort and quiet ride

Better comfort and quiet ride guaranteed by applying flexible side wall and solid tread construction

02 Lasts Longer

20% better in longevity compared to MICHELIN Energy MXV4+

03 Safety Guaranteed

Safer with 5% extra grip on wet surfaces compared to MICHELIN Energy MXV4+

All claims are made in comparison to the MICHELIN Energy MXV4+

TECHNOLOGY

Wide contact patch increases comfort and longevity

Normal SUV tire tread sipe

Michelin Latitude Tour HP tread sipe

Stabiligrip Technology

- Self - locking sipe design for a higher tread rigidity
- Excellent stability without performance degradation in both dry and wet conditions

POSITIONING MAP

KEY VEHICLE FITMENTS

Mercedes Benz ML
Audi Q7
Hyundai Veracruz

MICHELIN
A better way forward

PRIMACY SUV

Complement your SUV's safety features to better protect your family

01 Reduced braking distance

- 2.3 metres shorter braking distance on wet roads [1] and 3.8 metres shorter on dry roads [2]
- New FlexMax 2.0 rubber compound and StabiliGrip tread sipe design enhance safety

02 10% better holding on wet roads [3]

- Optimised tread pattern design combined with grip-enhancing new FlexMax 2.0 rubber compound

03 Smooth and comfortable ride

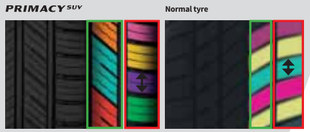
- CushionGuard and EvenPeak® technologies absorb road imperfections for a smoother ride

[1] The test was carried by CATARC on 11th Apr. 2015, compared to leading competitors. Vehicle: Honda CR-V 2.0 VVT. Tyre size 225/65R17. Speed: 80 km/h to 20Km/h. Tyre pressure: 210 kPa.

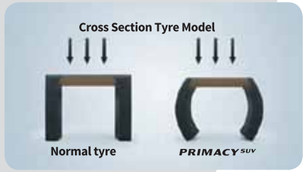
[2] The test was carried by CATARC on 11th Apr. 2015, compared to leading competitors. Vehicle: Honda CR-V 2.0 VVT. Tyre size 225/65R17. Speed: 100 km/h to 0Km/h. Tyre pressure: 210 kPa.

[3] The test was carried by CATARC on 11th Apr. 2015, compared to MICHELIN Primacy SUV premium leading competitor. Vehicle: Honda CR-V 2.0 VVT. Tyre size 225/65R17. Tyre pressure: 210 kPa.

TECHNOLOGY



Different block lengths are illustrated by different colours in the picture.



Flexible tread compound cushions vibrations

EvenPeak® Technology

- Reduced noise by spreading out the noise over different configurations of tread blocks [1]

CushionGuard Technology

- Keeps the ride smooth, steady and comfortable by cushioning vibrations and absorbing bumps in the road

FlexMax Technology

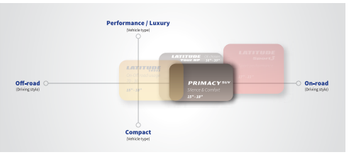
- Better connection & grip with the road by adapting to the shape of the road

StabiliGrip Technology

- Better braking and handling with more stable tread blocks in your Primacy 3 ST tyre

[1] LEQ – Equivalent Sound Pressure Level. Based on vehicle test conducted in Japan in 2012 (Both Road noise and Pattern noise)

POSITIONING MAP



KEY VEHICLE FITMENTS

Audi Q5
Chevrolet Colorado, Trailblazer & Captiva
Honda CRV
Mazda CX5 & BT50
Mercedes Benz G class
Mitsubishi Triton & Pajero
Nissan X-Trail & Patrol
Subaru Forester
Toyota Fortuner/ Fortuner TRD, LandCruiser Prado, RAV4, Remo & Vigo

KEY OE AWARDS

Hyundai Tuscon
Other projects coming soon.

MICHELIN
A better way forward

LATITUDE CROSS

Delivers the traction of an off-road tyre and the comfort of an on-road tyre with exceptional mileage

01 Traction of an off-road tyre

More grip on any kind of surface

02 Comfort of an on-road tyre

As quiet as a MICHELIN on-road tyre [1]

03 Exceptional mileage

High resistance to gravel abrasion to provide 20% longer mileage [2]

[1] Pass - by noise test carried out in Europe in 2008, compared with MICHELIN Latitude Tour HP

[2] Based on MICHELIN internal test results in Thailand, compared to leading competitors.

TECHNOLOGY

All-Terrain Traction

With the Mud Catcher tread pattern.

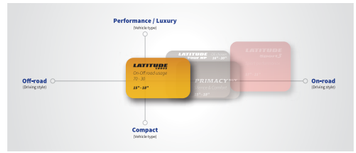
- Unique Mud Catcher shoulder design: offset, very open and extending far down the sidewalls
- Large number of biting edges

Comfort and silence

Because of a silent tread design

- Inner shoulder: unique curved tread block design that enables a greater number of biting edges per block to decrease noise emissions and enhance wet and snow performances
- Outer shoulder: large number of different sized and spaced shoulder blocks to provide a quieter ride while improving off-road performance

POSITIONING MAP



KEY VEHICLE FITMENTS

Toyota Fortuner, Land Cruiser, Hilux
Nissan X-Trail
Isuzu MU-X, D-Max
Mitsubishi Pajero

MICHELIN
A better way forward

Agilis

Offers higher mileage and robustness for professional use

01 A clearly improved mileage

30% better in longevity compared to its previous generation [1]

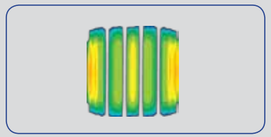
02 Even stronger, day to day

Thicker sidewall protection to avoid the urban obstacles

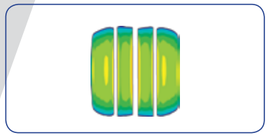
[1] Based on results of internal tests, compared to its predecessor MICHELIN Vanpix

For more information, go to www.michelin.country

TECHNOLOGY



Previous generation



MICHELIN Agilis

Mileage

With the “Durable Contact Patch” technology

- The DCP technology enhances the contact between the tread blocks and the road, allowing the contact pressure to be distributed more evenly on the tread, which contributes to longer mileage [1] as well as better grip

Strength

From the eight sidewall kerbing protectors

- The position of eight kerbing protectors on the sidewall has been calculated to optimize tyre protection in all circumstances

[1] Based on results of internal tests. Compared to its predecessor MICHELIN Vanpix

POSITIONING MAP

MICHELIN
A better way forward

AGILIS LT

All position 16” light truck tyre for on road operations

01 **Better fuel efficiency compared to bias tyres**

02 **Durable grip for safety on the road**

03 **Long lasting for lower operating cost**

TECHNOLOGY

Better fuel efficiency compared to bias tyres*

- Lower rolling resistance thanks to radial metallic architecture compared to bias design

Durable grip for safety on the road

- Over 240 double wave and full depth sipes provide outstanding grip until the last usable millimeter

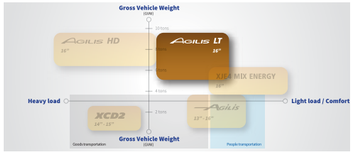
MICHELIN Durable Technologies

Long Lasting for lower operating cost

- Longer and flatter contact patch provided by Michelin radial techonology delivers up to twice the radial mileage over bias design tyres.*

*Based on internal results

POSITIONING MAP



MICHELIN
A better way forward

XJE4 MIX ENERGY

For long distance and medium operation

01 **Fuel consumption reduction**

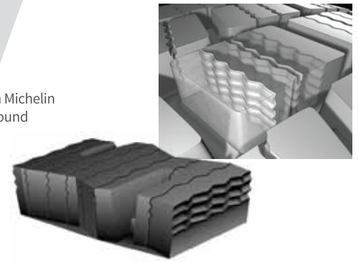
02 **High safety through high wet grip performance**

03 **High mileage performance**

TECHNOLOGY

XJE4 MIX ENERGY

- Very low rolling resistance performance from Michelin ENERGY technology applied to rubber compound and casing construction
- At least 3% fuel cost reduction at nominal conditions vs standard radial tyres



High safety thanks to high longitudinal and transversal wet grip performance

- Michelin Durable Technologies Pattern with full depth “double wave sipes”, bringing long lasting grip throughout entire tyre life and under polyvalent usage, all year long and in all seasons

High Mileage Performance

- Specific rubber for long distance and regional conditions
- Pattern with double wave sipes limiting tread block movements inside the contact patch, maintaining optimal rigidity to reduce wear and increase mileage

POSITIONING MAP

XCD2

Your trusted partner to carry your load safely

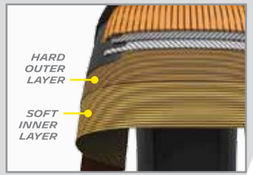
01 High loading capacity

Perfect choice for commercial users

02 Robust and strong

Built to endure and last with ability to carry heavy loads with maximum safety

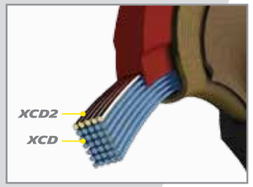
TECHNOLOGY



Endures more trips

with a combination of rubber compounds

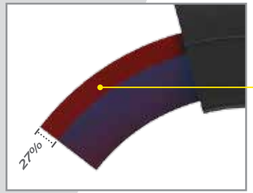
- Hard outer layer of 100% natural rubber protects casing ply
- Soft inner layer of synthetic rubber content lowers heat generation



Increased robustness

with maximum bead strength

- Five more wires in bead package
- 20% stronger bead
- Improved resistance to bead failure
- Improved damage resistance during fitting and removal



Better handling

with rubber insert on lower sidewall

- 27% increased height*
- 45% higher bead reinforcement*
- More rigid sidewall
- Improved handling stability

POSITIONING MAP

All claims are made in comparison to the previous generation of MICHELIN XCD tyres.
*Based on MICHELIN XCD2 size 205/70 R15C

MICHELIN
A better way forward

AGILIS HD

All position 16” light truck tyre for demanding usages

01 **Minimized operating costs thanks to fewer premature tyre damages**

02 **Peace of mind under challenging conditions with improved casing robustness**

03 **Traction on rough surface with aggressive tread pattern design**

TECHNOLOGY

Minimized operating costs thanks to fewer premature tyre damages

- 30% bigger cables for summit protection belts, bead and casing ply

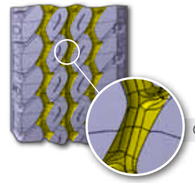
Peace of mind under challenging conditions with improved casing robustness

- 2 Kgs of additional metallic reinforcement added compared to non HD casing*

Traction on rough surface with aggressive tread pattern design

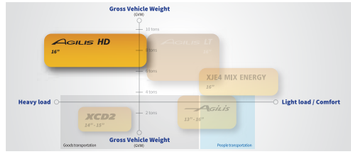
- Tread compound resistant to cut chip damages from rugged road
- 10.5 mm wide zigzag grooves and high tread groove ration at 21.6%

*Based on internal results



Groove width at 10.5 mm

POSITIONING MAP



MICHELIN
A better way forward

MICHELIN TYRE

SIZE LINEUP

MICHELIN TYRE Size Lineup

Classification	Wheel Size	Size	Load Capacity	Max. Speed	Width (mm)	External Diameter (mm)	Min. Rim (inch)	Proper Rim (inch)	Max. Rim (inch)
Pilot Sport Cup 2	19	235/35R19	91	(Y)	235	647	8	8.5	9.5
		245/35R19	93	(Y)	245	655	8	8.5	9.5
		255/35R19	96	(Y)	255	661	8.5	9	10
		265/35R19	98	(Y)	265	669	9	9.5	10.5
		275/35R19	100	(Y)	275	675	9	9.5	11
		295/30R19	100	(Y)	295	661	10	10.5	11
		305/30R19	102	(Y)	305	667	10.5	11	11.5
		325/30R19	105	(Y)	325	679	11	11.5	12
	20	245/35R20	91	(Y)	245	680	8	8.5	9.5
		265/35R20	95	(Y)	265	694	9	9.5	10.5
		265/35R20	99	(Y)	265	694	9	9.5	10.5
		305/30R20	103	(Y)	305	692	10.5	11	11.5
		325/30R20	106	(Y)	325	704	11	11.5	12
	21	325/30R21	104	(Y)	325	729	11	11.5	12
		325/30R21	108	(Y)	325	729	11	11.5	12
Pilot Super Sport	18	225/40R18	92	(Y)	225	637	7.5	8	9
		225/45R18	95	(Y)	225	659	7	7.5	8.5
		225/50R18	99	(Y)	225	683	6	7	8
		235/40R18	95	(Y)	235	645	8	8.5	9.5
		245/35R18	92	(Y)	245	629	8	8.5	9.5
		245/40R18	97	(Y)	245	653	8	8.5	9.5
		245/45R18	100	(Y)	245	677	7.5	8	9
		255/35R18	94	(Y)	255	635	8.5	9	10
		255/40R18	99	(Y)	255	661	8.5	9	10
		255/40R18	95	(Y)	255	661	8.5	9	10

Classification	Wheel Size	Size	Load Capacity	Max. Speed	Width (mm)	External Diameter (mm)	Min. Rim (inch)	Proper Rim (inch)	Max. Rim (inch)
Pilot Super Sport	18	265/35R18	97	(Y)	265	643	9	9.5	10.5
		265/40R18	101	(Y)	265	669	9	9.5	10.5
		275/35R18	99	(Y)	275	649	9	9.5	11
		275/40R18	99	(Y)	275	677	9	9.5	11
		285/35R18	101	(Y)	285	657	9.5	10	11
	19	225/35R19	88	(Y)	225	641	7.5	8	9
		225/40R19	93	(Y)	225	663	7.5	8	9
		225/45R19	96	(Y)	225	685	7	7.5	8.5
		235/30R19	86	(Y)	235	625	8.5	8.5	8.5
		235/35R19	91	(Y)	235	647	8	8.5	9.5
		235/40R19	96	(Y)	235	671	8	8.5	9.5
		245/35R19	93	(Y)	245	655	8	8.5	9.5
		245/40R19	98	(Y)	245	679	8	8.5	9.5
		255/30R19	91	(Y)	255	637	8.5	9	9.5
		255/35R19	96	(Y)	255	661	8.5	9	10
		255/35R19	92	(Y)	255	661	8.5	9	10
		255/40R19	100	(Y)	255	687	8.5	9	10
		255/45R19	104	(Y)	255	713	8	8.5	9.5
		255/45R19	100	(Y)	255	713	8	8.5	9.5
		265/30R19	93	(Y)	265	643	9	9.5	10
		265/35R19	98	(Y)	265	669	9	9.5	10.5
		265/40R19	102	(Y)	265	695	9	9.5	10.5
		275/30R19	96	(Y)	275	649	9	9.5	10
		275/35R19	100	(Y)	275	675	9	9.5	11
		275/35R19	96	(Y)	275	675	9	9.5	11

MICHELIN Tyre Marking

01. **Manufacturer :** MICHELIN

02. **Pattern name :** Pilot Super Sport

03. **Specifications :** 305/30 R 20 (99Y)

04. **DOT(Manufacturing date)**
e.g.) DOT GU EK OO1X 3013

305	305 Tyre width (mm)
30	Aspect ratio=Profile (H)÷Width (S)×100
R	Radial tyre
20	Rim diameter (inch)
99	Load capacity (max. 775kg)
Y	Max. speed (max. 300km/h)

P is often a prefix meaning a passenger car tire

DOT	Department of Transportation (US Department of Transportation)
GU EK	Manufacturing location data
OO1X	Tyre data
3013	Date of Manufacture
	30 : Week of Manufacture
	13 : Year of Manufacture

H/S :Aspect ratio of tyre

MICHELIN TYRE SIZE LINEUP / 00

How to mark load capacity and max. speed

Most tyres have the load capacity and max. speed respectively in number and alphabet rating marked on the sidewalls. The meaning of load capacity and max. speed is as follows.

Load capacity	Max. load per 1 tyre (kg)	Load capacity	Max. load per 1 tyre (kg)	Load capacity	Max. load per 1 tyre (kg)	Load capacity	Max. load per 1 tyre (kg)	Load capacity	Max. load per 1 tyre (kg)
62	265	75	387	88	560	101	825	114	1180
63	272	76	400	89	580	102	850	115	1215
65	280	77	412	90	600	103	875	116	1250
66	290	78	425	91	615	104	900	117	1285
67	300	79	437	92	630	105	925	118	1320
68	307	80	450	93	650	106	950	119	1360
69	315	81	462	94	670	107	975	120	1400
70	325	82	475	95	690	108	1000	121	1450
71	335	83	487	96	710	109	1030	122	1500
72	345	84	500	97	730	110	1060	123	1550
73	355	85	515	98	750	111	1090	124	1600
73	365	86	530	99	775	112	1120	125	1650
74	375	87	545	100	800	113	1150	126	1700

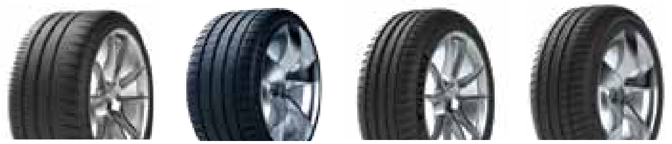
Max. speed	Max. driving speed (km/h)	Max. speed	Max. driving speed (km/h)	Max. speed	Max. driving speed (km/h)	Max. speed	Max. driving speed (km/h)
J	100	N	140	S	180	W	270
K	110	P	150	T	190	Y	Under 300km/h with a load below 85%
L	120	Q	160	H	210	(Y)	Over 300km/h with a load below 85%
M	130	R	170	V	240	ZR	Over 300km/h with max. load

MICHELIN

PATTERN BY CAR

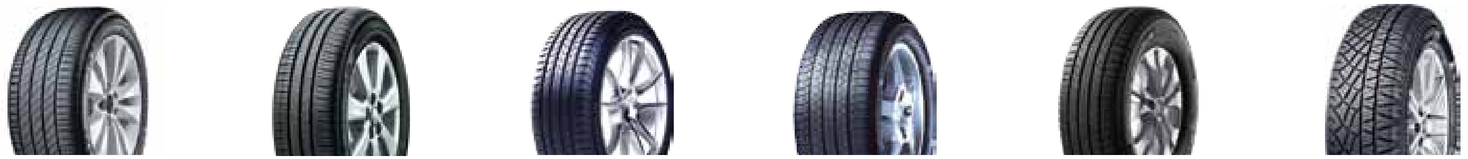
It is based on the size by model defined by the Korea Automobile Importers and Distributors Association.

MICHELIN TYRE Pattern by Car



Classification		Model	Front/ Rear	Size	Pilot Sport Cup 2	Pilot Super Sport	Pilot Sport 4	Pilot Sport 3
Audi	A1	A1 30 TDI	Front/Rear	215/45R16				●
	A3	A3 25 TDI	Front/Rear	205/55R16				●
		A3 35 TDI	Front/Rear	225/45R17			●	
		A3 35 TFSI	Front/Rear	225/45R17			●	
		A3 Sportback 25 TDI	Front/Rear	205/55R16				●
		A3 Sportback 35 TDI	Front/Rear	225/45R17			●	
	A4	A4 30 TDI	Front/Rear	245/40R18		●	●	
		A4 35 TDI quattro	Front/Rear	255/35R19	●	●		●
		A4 35 TDI quattro	Front/Rear	245/40R18		●	●	
		A4 40 TFSI quattro	Front/Rear	255/35R19	●	●		●
		A4 40 TFSI quattro	Front/Rear	245/40R18		●	●	
	A5	A5 40 TFSI quattro	Front/Rear	255/35R19	●	●		●
		A5 Cabriolet 40 TFSI quattro	Front/Rear	245/40R18		●	●	
		A5 Sportback 35 TDI quattro	Front/Rear	245/40R18		●	●	
	A6	A6 35 TDI	Front/Rear	245/45R18		●		
		A6 40 TDI quattro	Front/Rear	245/45R18		●		
		A6 40 TDI quattro	Front/Rear	255/40R19		●		●
		A6 40 TFSI quattro	Front/Rear	255/40R19		●		●
		A6 50 TDI quattro	Front/Rear	255/35R20		●		
		A6 50 TFSI quattro	Front/Rear	255/35R20		●		
		A6 55 TDI quattro	Front/Rear	255/35R20		●		

MICHELIN TYRE **PATTERN BY CAR** 00



Primacy 3 ST	ENERGY XM2	LATITUDE Sport 3	LATITUDE Tour HP	PRIMACY SUV	LATITUDE CROSS

MICHELIN
A better way forward

MICHELIN Tyre Safety Guide

01

Contact patch

High force with small contact patch

An actual contact patch is the size of a person's hand between the tyre and the road. It decides the safety, ride, and fuel economy of a car.

- The tyre is the only element that connects the car and the road.
- A tyre can support the entire load of a car, up to 50 times the weight of a car.
- The tyre ultimately implements the handling, acceleration, and braking behaviors of a car.
- The tyre absorbs the shock of all bumps.

Recommendation : Select the correct type of tire and perform regular maintenance for optimal performance.

02

Tyre wear and tread depth

Quick and easy safety check

Check the tyre tread depth in a regular manner and replace it immediately if worn out to maintain the maximum traction and grip.

- The tread protects the tyre.
- The tread prevents hydroplaning on wet roads to help control the car.

Recommendation : Replace the tyre before the tread depth is worn to 1.6mm. MICHELIN tyres have a wear threshold line of approximately 1.6mm indicated on the groove bottom to help inspection.

03

Installation

Install new tyres on the rear wheels for a better control

If the rear wheels wear out more than the front ones, it will be difficult to control the car because of oversteer.

- Regardless of front or rear wheels, control is improved in emergency braking or sharp cornering.
- In particular, it will reduce the risk of lost control in wet conditions.

Recommendation : Swap locations of tyres after driving the first 15,000km to keep equal wear of tyres.

04

Balance adjustment

Balancing for extended life span

Balancing prevents quick wear and vibration of tyres, as well as protects the suspension and steering system.

- It improves ride comfort by reducing vibrations on the road.
- It prevents irregular wear of tyres.

Recommendation : Check the balance at initial installation, as well as when abnormal vibration or noise is sensed.

05

Tyre pressure

Regular Tyre

Keep adequate pressure to improve control while preventing quick wear and internal structure damage. The pressure can decrease because of damage, as well as natural air leakage with ambient temperature change or rubber molecule structure.

- Reduced pressure increases the risk of tyre damage.
- If the pressure exceeds by 20%, the tyre life span may be reduced by up to 10,000km.
- Adequate pressure also improves fuel economy.

Recommendation : It is recommended to check the pressure every month according to the recommendation by your car manufacturer.

06

Tyre valve

Good condition value and cap maintains correct tyre pressure

The performance of valves and valve caps degrade over time. They should be replaced when installing new tyres. Regular inspections are required to prevent air leakage and to maintain pressure.

- They maintain adequate pressure.
- They maintain a sealed condition.

Recommendation : Check the valves and valve caps regularly along with the tyres.

MICHELIN TYRE SAFETY GUIDE / OO

07

Wheel alignment

Safety with correctly aligned wheels and shafts

The wheel alignment may influence the performance of car and tyres as well as longevity.

- It prevents abnormal wear of tyres.
- It keeps optimal driving performance.
- It helps improved fuel economy.

Recommendation : The easiest way to find misalignment is to look for an abnormal wear of tyres.

08

Tyre repair

Tyre repair must be done by a professional

While the tyres are installed on the wheels, internal damage is not visible so remove the tyres from the wheels and check the inside when repairing them.

- Check inside of tyres to see if there is any damage on the surface.
- Check if correct methods and parts used to repair a tyre.

Recommendation : For correct diagnosis and inspection, ask a professional.

09

Winter tyre

Use winter tyres when the air temperature is below 7℃

For safe driving, use winter tyres when the temperature is below 7℃. Winter tyres must be installed on the front and rear wheels together.

- The grip is important for both front and rear of car.
- Winter tyres will reduce the wet braking distance by up to 6m when below 7℃.
- Install winter tyres in a cold condition to keep the grip and traction so that the risk of skidding and loss of control is reduced.

Recommendation : To ensure outstanding traction on the snowy road, replace the tyres before the tread depth becomes 3.5mm or less.

What is the truth about tyre aging?

Q: Why is Michelin sharing this information about tyre aging?

A: Because there is widespread misunderstanding of how tyres age. Remember: The most important date is NOT the tyres' fabrication date (DOT) but the date of installation on a vehicle.

Q: The tyre does not age significantly if it has not been installed. Why?

A: While in inventory (pre-installation), a tire is uninflated, unloaded, and subjected only to the relatively minor temperature fluctuations of the storage facility.

Q: If Date of Manufacture does not matter, what date DOES matter?

A: The date that the tyre is installed on the vehicle. During operation, the tyre is subjected to high stresses, road impacts and other conditions which do not exist in storage. Therefore, a tyre ages significantly once it has been installed.

Q: What are some studies that confirm that tyre aging is irrelevant in storage, and is only relevant post-installation?

A: Three studies have been done in Korea, Germany, and Saudi Arabia. The studies in Korea & Germany show no difference in performance between tyres that are newly made versus tyres that are in storage for 3 years. The Saudi Arabia study shows that a tyre used on a vehicle for 1 year has equivalent aging to a tyre in storage for 10 years.

Q: Tyres age post-installation. What does Michelin advise in terms of tyre care post-installation?

A: Post-installation, the tyre requires very special care during its operational life-care that was irrelevant in storage, such as: Pressure maintenance, alignment, damage inspection, tread depth measurement.

Sources: Korean Deparrtment of Customer Protection; ADAC, the German motorist organization; Saudi Arabia study conducted by Osaka City University, published in Rubber Chemistry and Technology

MICHELIN Warranty

Subject & Period

- **Subject** : The warranty is valid only for the tyres marked with the MICHELIN trademark and serial number.
- **Period** : Before the wear threshold (wear depth 1.6mm remaining) is reached or 6 years from the purchase date, whichever comes first.
- **Exception** : If a tyre is sold within 3 years of manufacturing or no evidence is possessed, the warranty is valid for 6 years from the date of manufacture. However, the warranty is valid until the wear threshold is reached if it is reached within 6 years of the date of manufacture.

Warranty Process

- A tyre will be exchanged or a refund will be given according to the condition of the tyre.
- In principle, the warranty will be provided at the place of purchase.

Exclusion of warranty

- If it is not attributable to manufacturing defects
- Damage by hazard factors on the road (surface damage, scratch, damage caused by shock or flat tyre)
- Wrong installation, incorrect wheel balance, or inadequate repair
- Excessive or insufficient tire pressure, inadequate service or user negligence
- Abnormal or quick wear attributable to wheel alignment errors and others
- Installed with incorrect wheel size or wrong valve
- Loading or driving that exceeds the load capacity and max. speed marked on the sidewall or recommended by the car maker
- Secondhand tyre
- A tyre not installed or used according to the technical recommendation of MICHELIN
- Accident, fire, explosion, tire modification, or intentional damage
- A tyre purchased through an abnormal distribution channel
- Influence of weather or ozone
- Negligent storage
- If compensation is requested by collecting a tyre with unlawful intentions

Others

- The warranty does not cover the paid service cost, tyre installation and balance cost, time loss, loss attributable to incapability of using the car, other inconveniences, and special or resultant damage.
- A tyre returned to a MICHELIN dealership for compensation will belong to MICHELIN (Country name).
- If any conflict should arise, the consumer will give the tyre to MICHELIN (Country name) so that additional tests can be performed.
- Any dealership, agent, or personnel of MICHELIN does not have any right to make or imply any statement, promise, or contract to change the warranty conditions.
- This warranty is valid only in (Country name).

2017 MICHELIN TYRE *PRODUCT GUIDE*