

EU Tire label

In order to provide standardised information on fuel efficiency, wet grip and external rolling noise, the European Union introduced a compulsory label for all new tires. By November 2012 all relevant new tires (DOT 2712 or newer) sold in Europe must carry this EU label. The regulation aims at increasing the safety and the economic and environmental efficiency of road transport by promoting safe and fuel-efficient tires with low noise levels.

The label is intended to give end-users some essential information to help them when choosing new tires.

How to read the label?

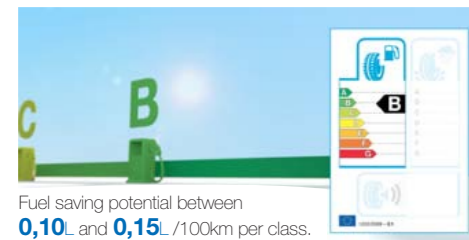
1

Reduce environmental impact

Rolling Resistance / Fuel efficiency (A-G)

- Is expressed as 'rolling resistance'.
- Rolling resistance directly impacts fuel consumption and the environment.

At lower rolling resistance, the tire dissipates less energy, contributing less to resistive forces and thereby reducing fuel consumption and CO2 emission. (Grade D is not used)



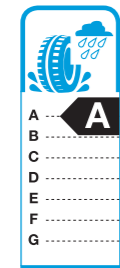
2

Increase safety

Wet grip performance (A-G)

- Tires with excellent grip in the wet have shorter braking distances on wet roads.

Wet grip capacity is also expressed in grades from A to G, with A indicating the highest wet grip performance and G indicating the lowest. (Grades D and G are not used)



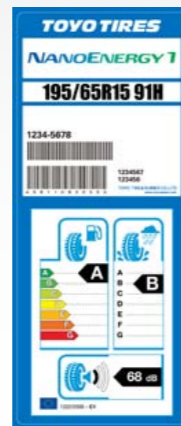
3

Reduce noise production

Exterior rolling noise (dB)

- One black wave indicates the best noise level performance. It means that the noise output level of the tire is at least 3dB below the future legal limit.
- Three black waves indicate the weakest performance in terms of tire noise.

It represents a noise output level between the current maximum and the new lower limit that will be introduced in Regulation 661.



Published tire tests.

The new EU tire label is designed to show information regarding 3 criteria, however there are many other important performance factors to consider including:

- Durability
- Braking performance on dry surface
- High speed stability
- Handling in winter conditions
- Cornering grip
- Handling on wet and dry roads



More information about the new tyre labelling regulations as well as a list of FAQs is available from the European Tyre & Rubber Manufacturers' Association. (ETRMA) www.etrma.org

TOYO TIRES
driven to perform



TOYO TIRES
driven to perform



NANOENERGY 1

Ecology and safety without compromise.
(A-B-68dB)

NANOENERGY 2

Smooth, safe and efficient ride.
(A-C-70dB)



TOYO NanoEnergy 1: the new reference in the ecology segment.

NanoEnergy 1 is the latest technologically advanced answer for drivers of city and compact ECO cars looking for the best tire without compromises.

Safe, silent and cost saving driving.

With an optimal harmony between fuel efficiency, safety, comfort, durability and environmental performance, this new flagship of the NanoEnergy range represents the result of Toyo Tires' latest Nano Balance technology.

With its top class EU labeling gradings for fuel efficiency, safety and noise performance, the NanoEnergy 1 is the best reference in the ecology segment.

Pattern design and structure

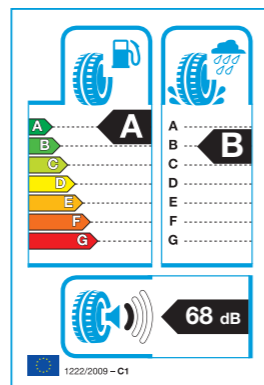
- Optimised tread design**
 - Reduction of rolling noise (68dB)
 - Increase wet grip performance
 - High comfort driving
- Optimized rib width**
 - Lowest rolling resistance (A)
 - Very short wet braking distance (B)
- Super active and grip polymer compound**
 - Excellent wet grip
 - Improved thermal stability



- 4 wide longitudinal sipes
- Excellent wet braking performance (B)
- Excellent water evacuation
- Outstanding safety and control in potential aquaplaning situations



- Fuel efficiency**
 - Lowest level of fuel consumption
 - (A grading)
 - Very strong reduction of CO₂ emission
- Wet grip**
 - Improved road safety
 - Very low braking distance on wet surface
 - (B grading)
- Noise level**
 - Strongly reduced exterior noise
 - (68dB)



Tire size	LI / SI	Pattern			
195/65 R15	91H	NanoEnergy 1	A	B	68dB

TOYO NanoEnergy 2: A smoother, more efficient ride.

NanoEnergy 2 combines the lowest fuel consumption with very good wet performance and high driving comfort to meet the needs of today's city and family cars

Reducing your carbon footprint no longer means having to compromise on safety or comfort.

The allrounder boasts extremely short braking distances on dry and wet roads, the lowest rolling resistance level, safe driving properties and comfortable handling characteristics.

The optimised pattern allows for shorter braking distances on wet roads. A new carcass, enhances comfort and reduces the NanoEnergy 2's rolling resistance.

Pattern design and structure

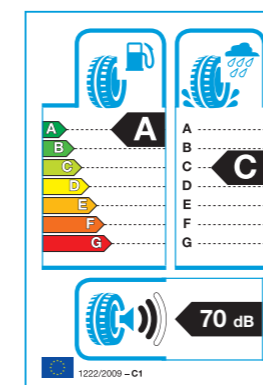
- Light weight structure**
 - Lower fuel consumption and CO₂ emissions
 - Lowest Rolling Resistance level (A)
- Optimised tread design**
 - Reduction of rolling noise (70dB)
 - Longer wear life (11% longer than Proxes Ne)
 - High comfort level
- Super active polymer compound**
 - Excellent fuel efficiency
 - Improved thermal stability



- 4 wide longitudinal sipes
- Very short braking on wet surface (C)
- Excellent resistance to aquaplaning
- Improved safety and control on wet surfaces



- Fuel efficiency**
 - Lowest level of fuel consumption
 - (A grading)
 - Very strong reduction of CO₂ emission
- Wet grip**
 - Improved road safety
 - (C grading)
- Noise level**
 - Reduced exterior noise
 - (70dB)



Tire size	LI / SI	XL	Pattern			
185/65 R15	88H		NanoEnergy 2	A	C	70dB
195/65 R15	91H		NanoEnergy 2	A	C	70dB
195/65 R15	91V		NanoEnergy 2	A	C	70dB
205/65 R15	94H		NanoEnergy 2	A	C	70dB
205/60 R16	92H		NanoEnergy 2	A	C	70dB
215/60 R16	95H		NanoEnergy 2	A	C	70dB
195/55 R16	87V		NanoEnergy 2	A	C	70dB
205/55 R16	91V		NanoEnergy 2	A	C	70dB
215/55 R17	98V	XL	NanoEnergy 2	A	C	70dB
215/50 R17	95V	XL	NanoEnergy 2	A	C	70dB
215/45 R17	91W	XL	NanoEnergy 2	A	C	70dB

Nano Balance Technology

Research Analysis Design Production

Philosophy:

Toyo Tires' Nano Balance Technology is the philosophy applied in the new NanoEnergy range of premium eco tires. Research, Analysis, Design and Production developed by Toyo Tires to ensure the future driving experience.

Achievements:

Toyo Tires' Nano Balance Technology used in the "NanoEnergy" range helps to reduce the fuel consumption, minimise environmental impact, gives the tire a longer life and ensures a quieter ride.



NANOENERGY

Components:

The "NanoEnergy" range of Toyo Tires uses a new rubber compound and an innovative carcass structure. This ensures a safe, comfortable drive, on both dry and wet surfaces, whilst having a low environmental impact.

A perfect synergy of performance, safety, driving pleasure and attention to the environment.

