



TÜV SÜD Premium Tire Mark 2025

PIRELLI
SCORPION 3

235/55 R19 105Y XL

Test Period: September - October 2025

**Add value.
Inspire trust.**

Report No. 713384205

TÜV SÜD PS – PREMIUM TIRE MARK 2025

TIRE DETAILS



CANDIDATE



PIRELLI
Scorpion 3

235/55 R19 105Y XL
DOT 193 08914U 3225

COMPETITOR TIRES (in testing order)



BRIDGESTONE
TURANZA 6

235/55 R19 105W XL
DOT 1VR 100H5N 1425-2425



CONTINENTAL
PREMIUMCONTACT 7

235/55 R19 105Y XL
DOT 1CN 0332V3 2725



GOODYEAR
EFFICIENTGRIP 2 SUV

235/55 R19 105V XL
DOT 1H3E7 MA1R 5024 - 1625



MICHELIN
PRIMACY 5

235/55 R19 105W XL
DOT 1HD 8F 0EAX 2025 - 2925

- All Pirelli Scorpion 3 test samples were provided for the tests by the customer.
- All other test samples were purchased in the normal market by TÜV SÜD.
- TÜV SÜD randomly selected the tires for the individual tests.

TÜV SÜD PS – PREMIUM TIRE MARK 2025

TEST DETAILS



TEST LOCATIONS



- Wet braking, dry braking, aquaplaning longitudinal, wet handling: Pirelli Vizzola (I)
- WGI Annex 5 / Annex 9: Neubiberg (D)
- Rolling noise: Idiada (E)
- Rolling resistance & highspeed test advanced: TÜV SÜD Product Service Garching (D)

TEST VEHICLES



- Audi Q5 AWD + FWD, Audi Q7

PROCEDURE & EVALUATION



- In most tests, the reference/control tire is tested repeatedly in the progress of the test to detect and consider changes of the ambient test parameters and correct its performance by linear interpolation.
- Generally, all tires in a test are primarily evaluated in relation to the reference/control tire.
- The performance is expressed as a percentage value, calculated on the basis of the measured and corrected test data.
- In this present evaluation, the performance of each tire is assessed relative to Pirelli Scorpion 3 ($\triangleq$ 100%).
- In all evaluations, a percentage >100% means better and <100% means worse.

TÜV SÜD PS – PREMIUM TIRE MARK 2025

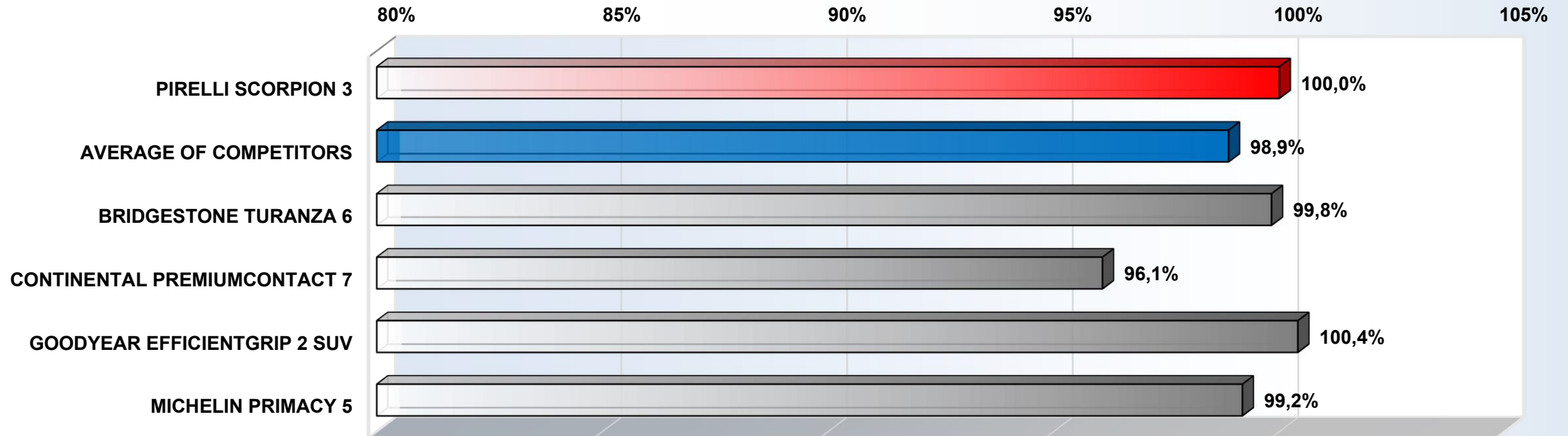
TEST RESULTS



AQUAPLANING STRAIGHT-LINE

- Objective measurement of longitudinal aquaplaning performance; water depth ~ 8 mm
- Result: Aquaplaning speed [km/h] at 15% slip

AQUAPLANING PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the measured aquaplaning speeds.

TÜV SÜD PS – PREMIUM TIRE MARK 2025

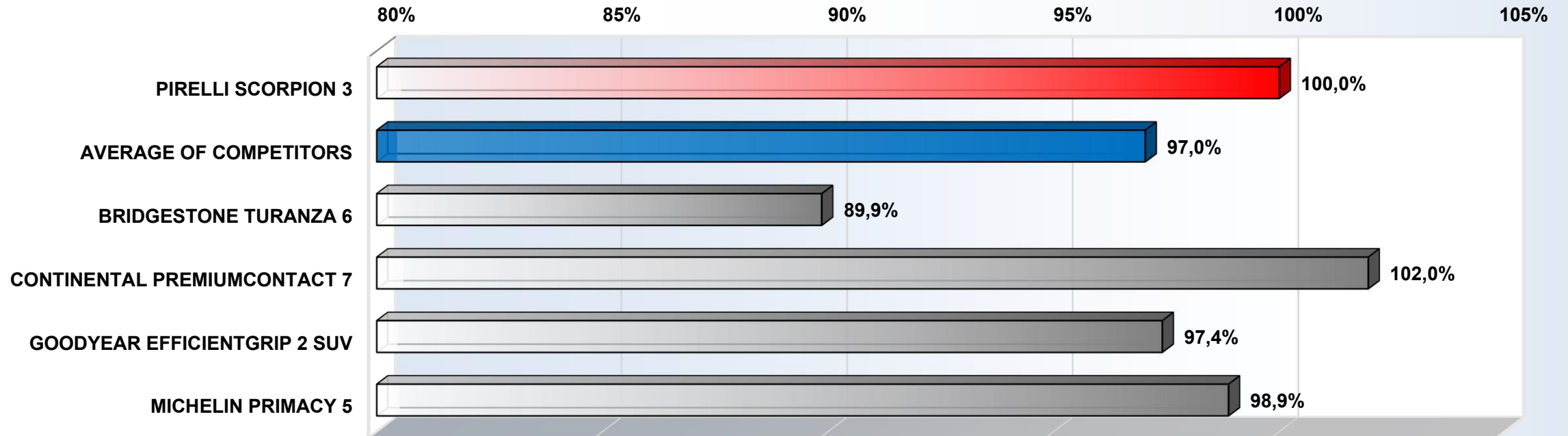
TEST RESULTS



WET BRAKING

- ABS-braking on wet asphalt surface
- Result: Ø Stopping distance [m] from 80 to 20 km/h → Mean deceleration [m/s²]

WET BRAKING PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the mean deceleration values resulting from the measured braking distances.

TÜV SÜD PS – PREMIUM TIRE MARK 2025

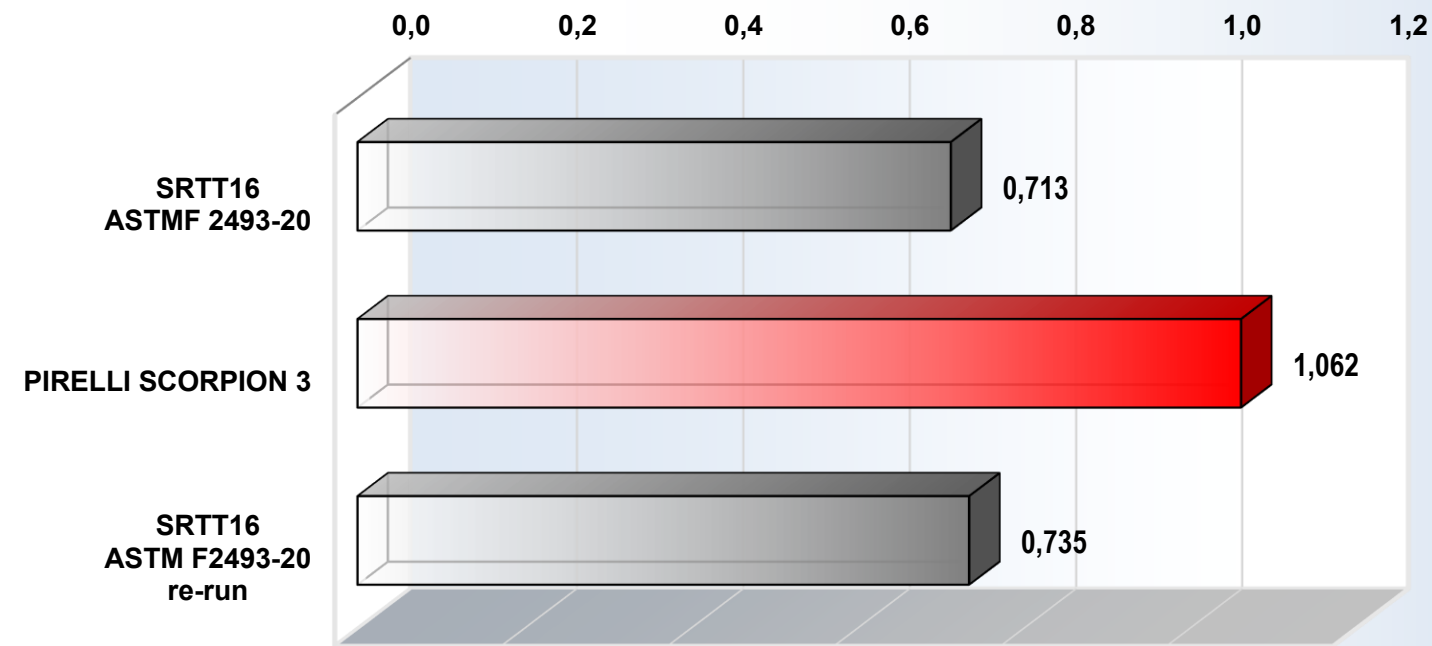
TEST RESULTS



WET GRIP INDEX (ECE R117 Annex 5) – new tire

- Wet grip measurement acc. to ECE R117 Annex 5 – trailer method
- Result: Ø Peak braking force coefficient μ_{peak} [-] → Wet Grip Index

PEAK BRAKING FORCE COEFFICIENT μ_{PEAK} [-]



TIRE BRAND	T _{Air} / T _{Surface} [°C]		WET GRIP INDEX
SRTT16 ASTM F2493-20	11,6	15,6	-
PIRELLI SCORPION 3 new tire	13,0	17,1	1,77
SRTT16 ASTM F2493-20 re-run	12,9	16,3	-

TÜV SÜD PS – PREMIUM TIRE MARK 2025

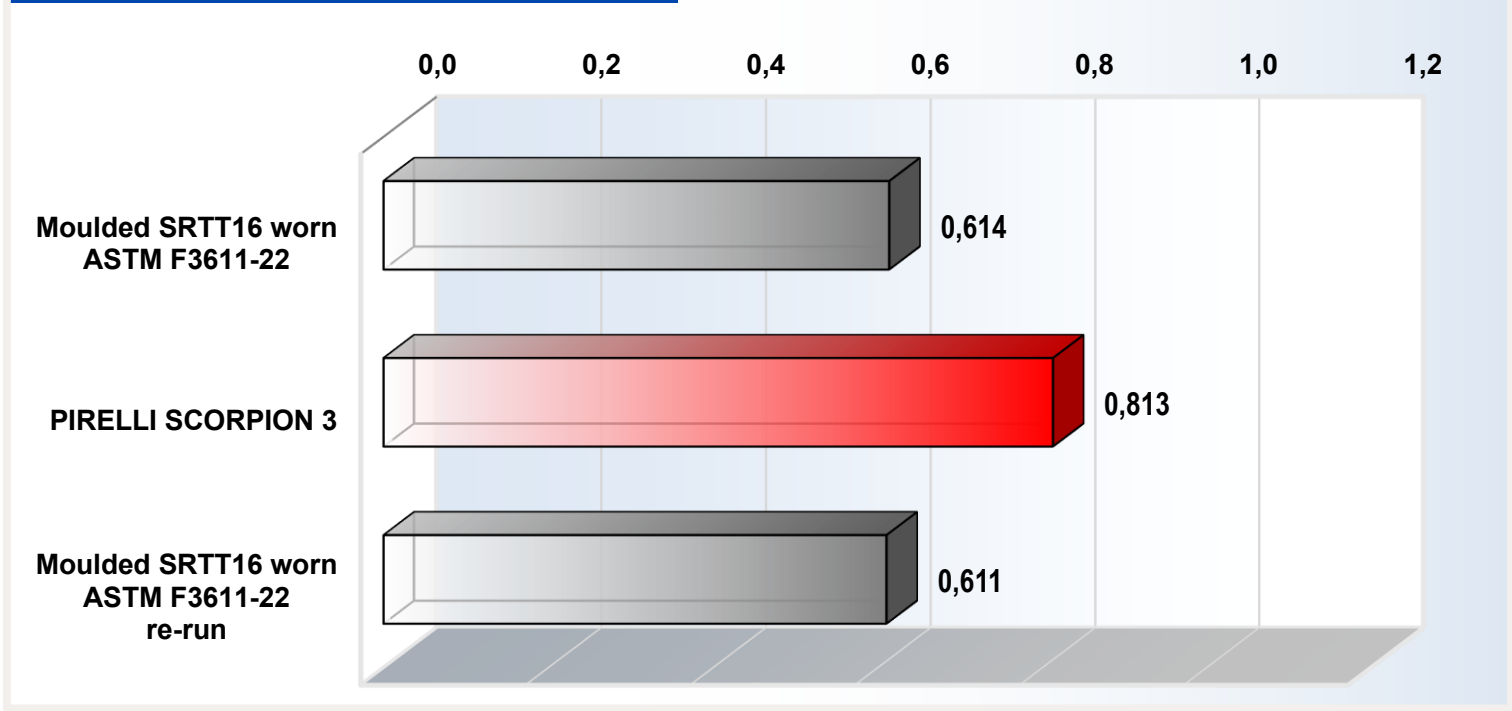
TEST RESULTS



WET GRIP INDEX (ECE R117 Annex 9) – worn tire

- Wet grip measurement acc. to ECE R117 Annex 9 – trailer method
- Result: Ø Peak braking force coefficient μ_{peak} [-] → Wet Grip Index

PEAK BRAKING FORCE COEFFICIENT μ_{PEAK} [-]



TIRE BRAND	T _{Air} / T _{Surface} [°C]		WET GRIP INDEX
Moulded SRTT16 worn ASTM F3611-22	12,6	14,7	-
PIRELLI SCORPION 3 worn tire	12,5	14,9	1,32
Moulded SRTT16 worn ASTM F3611-22 re-run	11,2	13,2	-

TÜV SÜD PS – PREMIUM TIRE MARK 2025

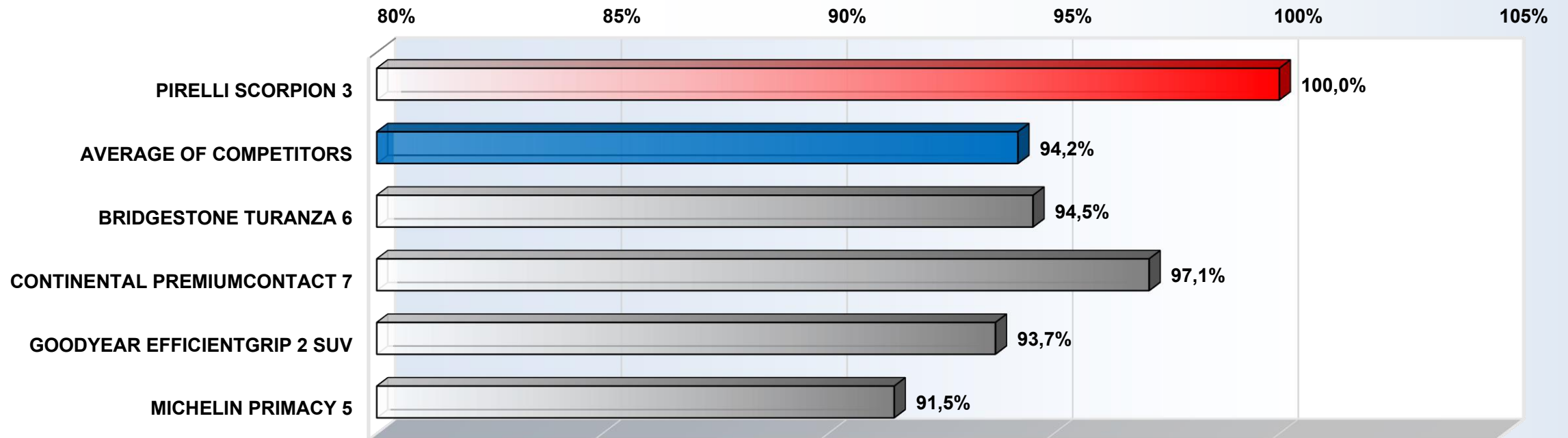
TEST RESULTS



WET HANDLING

- Subjective assessment and lap time on a wet handling circuit (track length: 1120 m)
- Result: Ø Rating (min. 1, max. 10) and Ø lap time [s] → average speed [km/h]; total result from speed and rating scores (2:1)

WET HANDLING PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the speed and the rating scores (at the ratio 2:1).

TÜV SÜD PS – PREMIUM TIRE MARK 2025

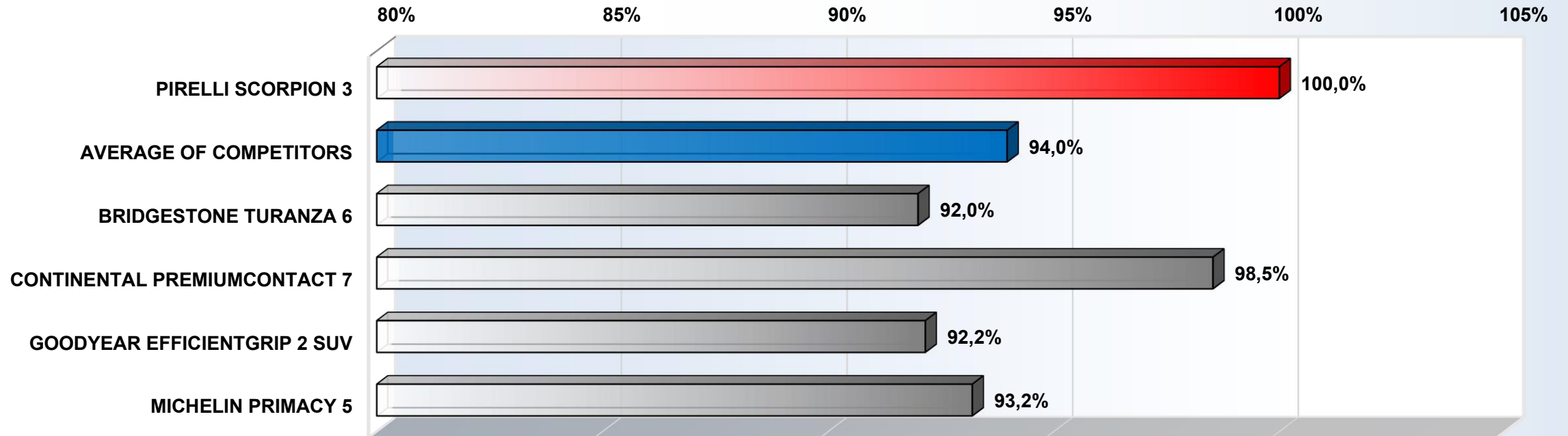
TEST RESULTS



DRY BRAKING

- ABS-braking on dry asphalt surface
- Result: Ø Stopping distance [m] from 100 to 0 km/h → Mean deceleration [m/s²]

DRY BRAKING PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the mean deceleration values resulting from the measured braking distances.

TÜV SÜD PS – PREMIUM TIRE MARK 2025

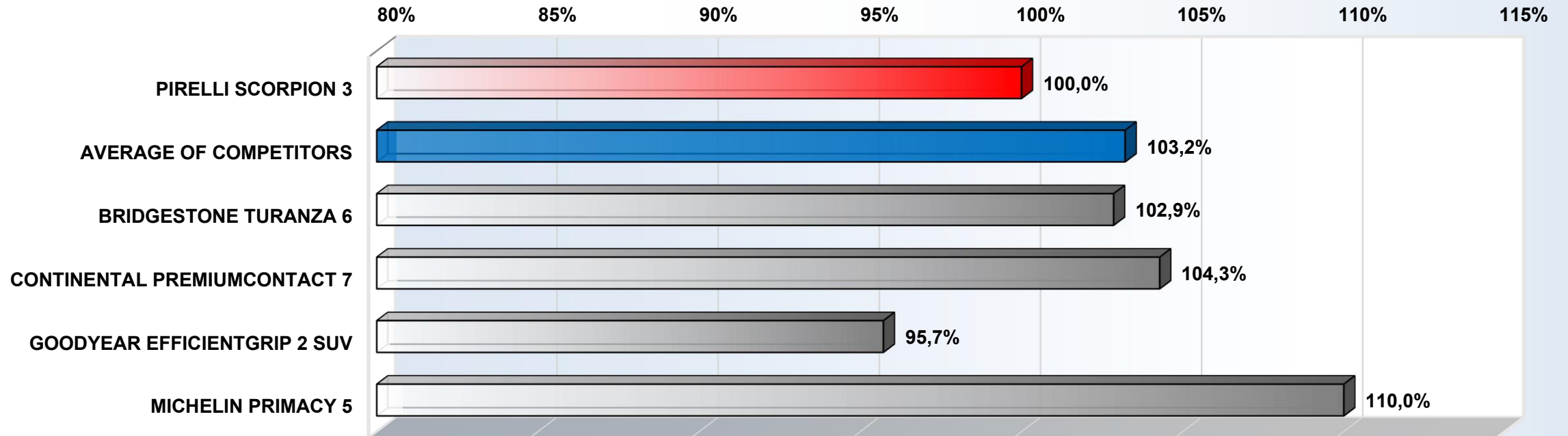
TEST RESULTS



ROLLING RESISTANCE (ECE R117 Annex 6)

- Acc. to ECE R117 Annex 6
- Result: Rolling resistance coefficient (c_R) EU label value [kg/t]

ROLLING RESISTANCE PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the reciprocal values of the measured rolling resistance forces.

TÜV SÜD PS – PREMIUM TIRE MARK 2025

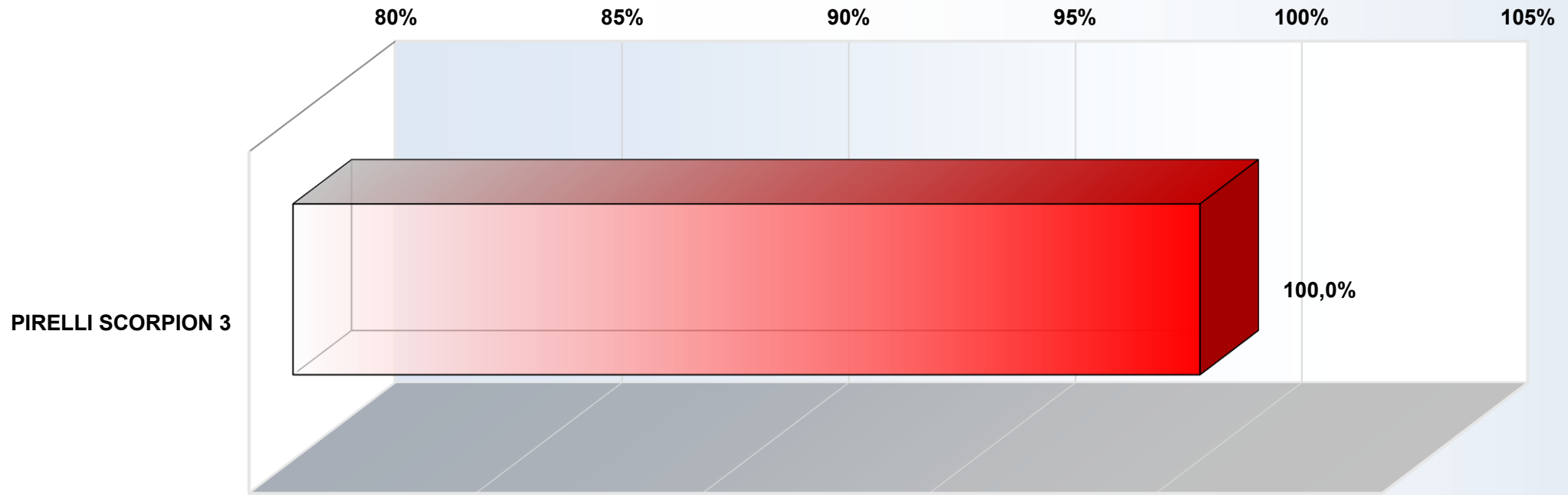
TEST RESULTS



HIGHSPEED TEST ADVANCED

- Acc. to ECE R30 + extension at 2° camber at $v_{\max}$ for max. 60 min
- Result: Total running time without visible defect (max. 120 min $\triangleq$ 100%)

HIGHSPEED PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the total running time without defect.

TÜV SÜD PS – PREMIUM TIRE MARK 2025

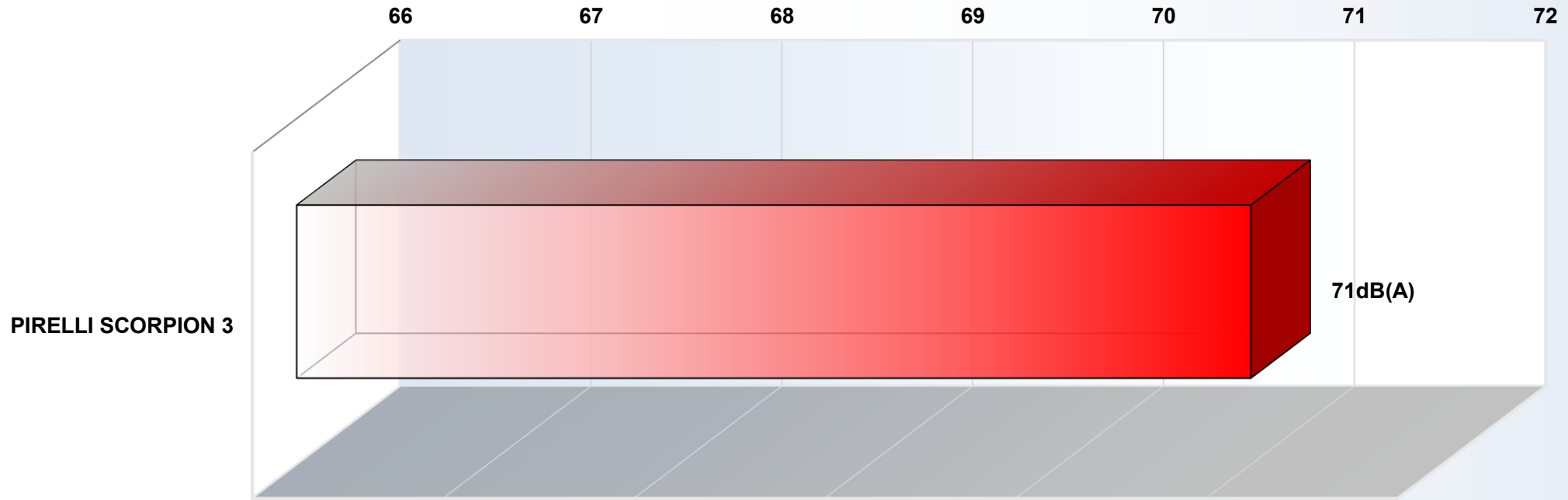
TEST RESULTS



ROLLING NOISE (ECE R117 Annex 3)

- Acc. to ECE R117 Annex 3
- Result: Rolling noise level (ECE TYPE APPROVAL VALUE) [dB(A)]

ROLLING NOISE (ECE TYPE APPROVAL VALUE) [dB(A)]



TÜV SÜD PS – PREMIUM TIRE MARK 2025

SUMMARY OF RESULTS

Percentage > 100% means better, percentage < 100% means worse.	PIRELLI SCORPION 3	BRIDGESTONE TURANZA 6	CONTINENTAL PREMIUMCONTACT 7	GOODYEAR EFFICIENTGRIP 2 SUV	MICHELIN PRIMACY 5
AQUAPLANING STRAIGHT-LINE	100,0%	99,8%	96,1%	100,4%	99,2%
WET BRAKING	100,0%	89,9%	102,0%	97,4%	98,9%
WET GRIP INDEX (ECE R117 Annex 5) - new tire	1,77	-	-	-	-
WET GRIP INDEX (ECE R117 Annex 9) - worn tire	1,32	-	-	-	-
WET HANDLING	100,0%	94,5%	97,1%	93,7%	91,5%
DRY BRAKING	100,0%	92,0%	98,5%	92,2%	93,2%
ROLLING RESISTANCE (ECE R117 Annex 6)	100,0%	102,9%	104,3%	95,7%	110,0%
HIGHSPEED TEST ADVANCED	100,0%	-	-	-	-
ROLLING NOISE (ECE R117 Annex 3)	71 dB(A)	-	-	-	-

