



TÜV SÜD Tire Test Mark 2025

SAILUN
ICE BLAZER ALPINE 2

205/55 R16 94H XL

Test Period: February - March 2025

**Add value.
Inspire trust.**

Report No. 713357066-16

TÜV SÜD PS – TÜV TIRE TEST MARK 2025

TIRE DETAILS



CANDIDATE



**SAILUN
ICE BLAZER ALPINE 2**

DOT 153 BOYVLY 0125

COMPETITOR TIRES (in testing order)



**BARUM
POLARIS 6**

DOT 1CP 0F6P38 4924



**KUMHO
WINTERCRAFT WP52**

DOT 1C0 LMYCW7 2924



**NEXEN
WINGUARD SNOW'G3**

DOT 035 8K DMDR 4424



**TOYO
OBSERVE S944**

DOT CX8K 85E 2524-2924

- All Sailun Ice Blazer Alpine 2 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.

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TEST DETAILS



TEST LOCATIONS



- Wet & dry: TRIWO Pferdsfeld (D)
- Snow: Arctic Falls Plantskolan (S)
- Rolling noise: ATP Papenburg (D)
- WGI ECE R117 Annex 5 & 9: Neubiberg (D)
- Rolling resistance & highspeed test advanced: TÜV SÜD Product Service Garching (D)

TEST VEHICLES



- VW Golf VIII 1.5TSI & 2.0TDI, Audi A3 35 TFSI, VW Golf VII e-Golf (PBN)

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 Sailun Ice Blazer Alpine 2 ($\triangleq$ 100%).
- In all evaluations, a percentage >100% means better and <100% means worse.

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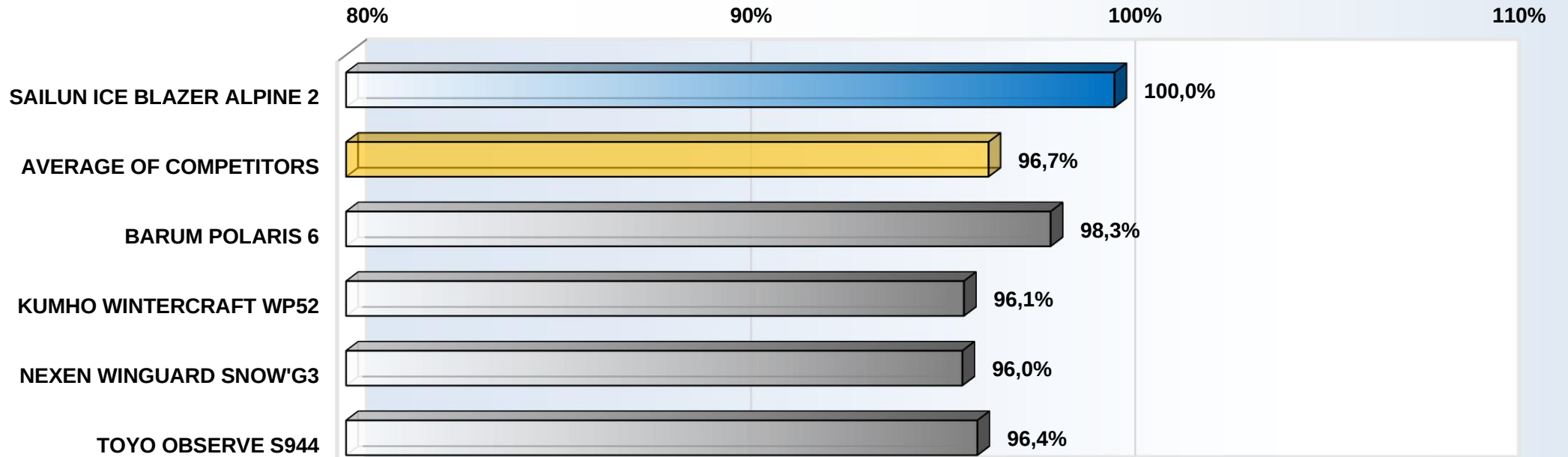
TEST RESULTS



ACCELERATION ON SNOW

- Acceleration on compressed snow with activated ETC (double execution)
- Result: Ø Acceleration time [s] from 10 to 40 km/h → Mean acceleration [m/s²]

ACCELERATION ON SNOW PERFORMANCE * [%]



*) The calculation of the percentage performance is based on the mean acceleration values resulting from the measured acceleration times.

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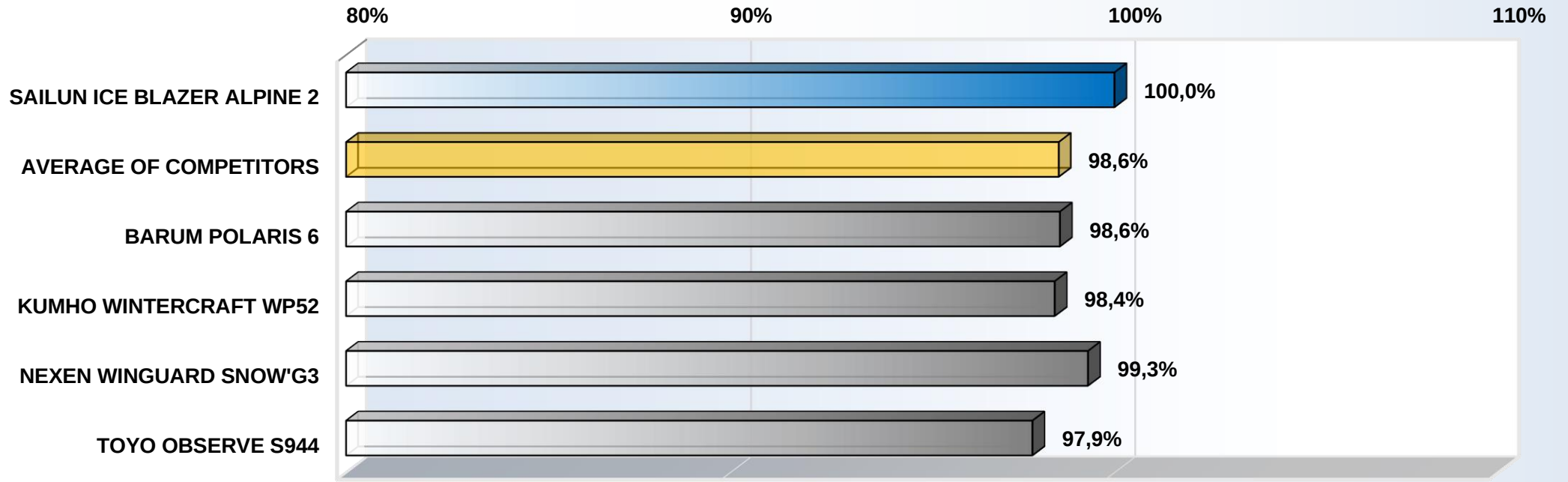
TEST RESULTS



BRAKING ON SNOW

- ABS-braking on compressed snow (double execution)
- Result: Ø Stopping distance [m] from 40 to 5 km/h → Mean deceleration [m/s²]

BRAKING ON SNOW PERFORMANCE * [%]



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

TÜV SÜD PS – TÜV TIRE TEST MARK 2025

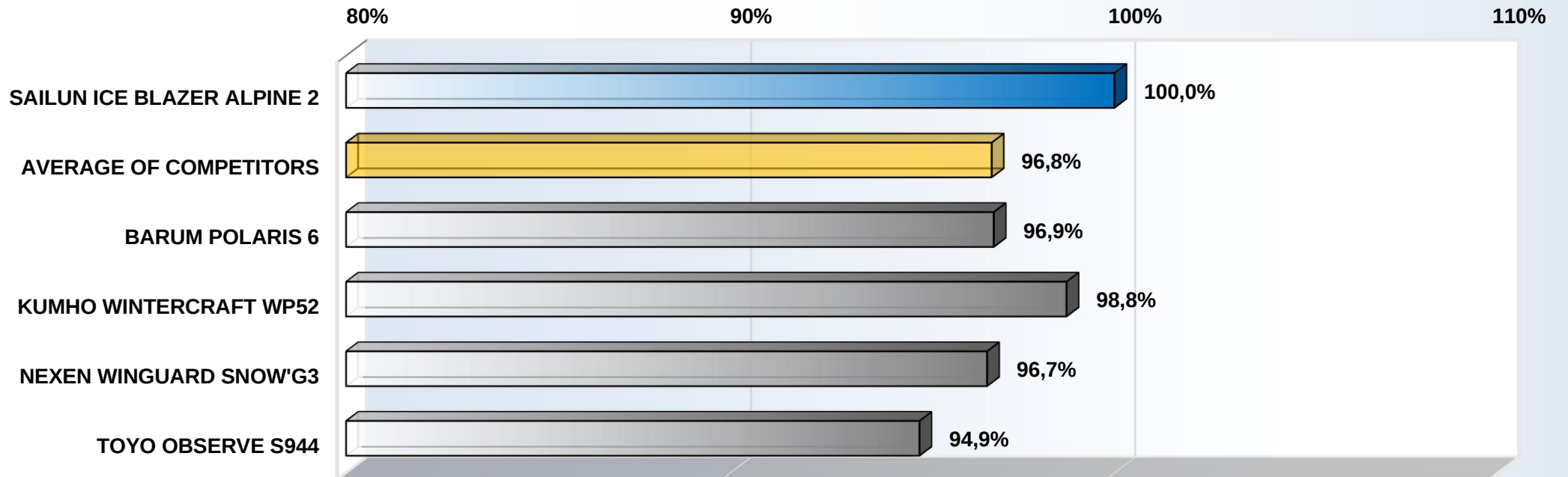
TEST RESULTS



HANDLING ON SNOW

- Subjective assessment and lap time on a snow handling circuit (track length: 1105 m) (double execution)
- 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)

HANDLING ON SNOW PERFORMANCE * [%]



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

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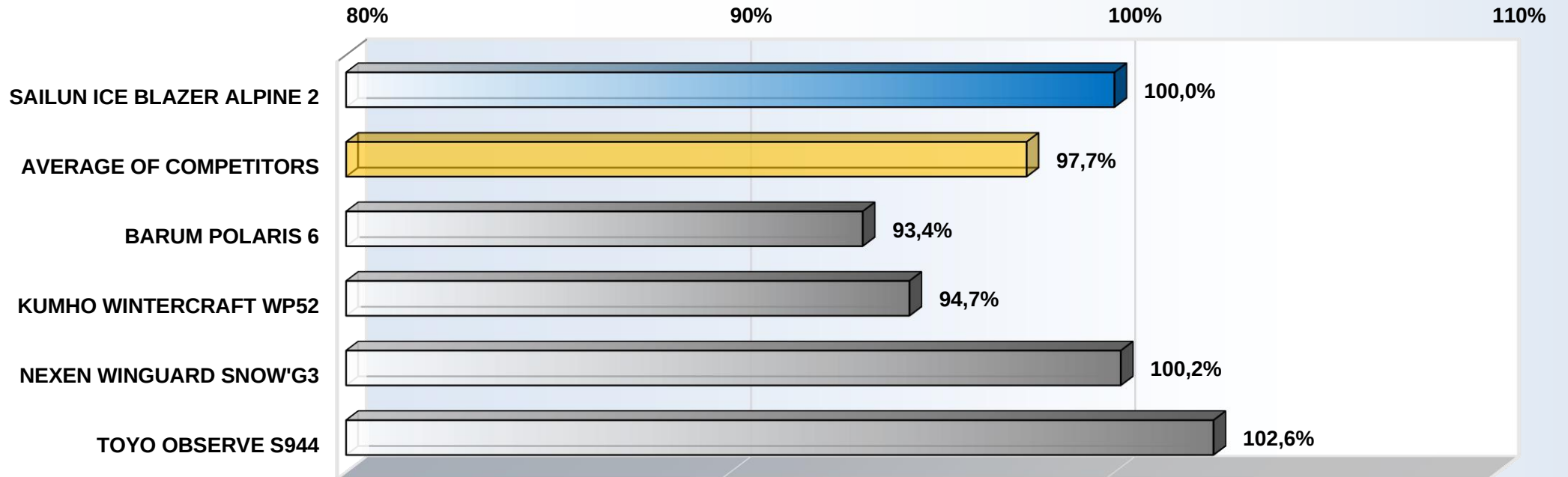
TEST RESULTS



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.

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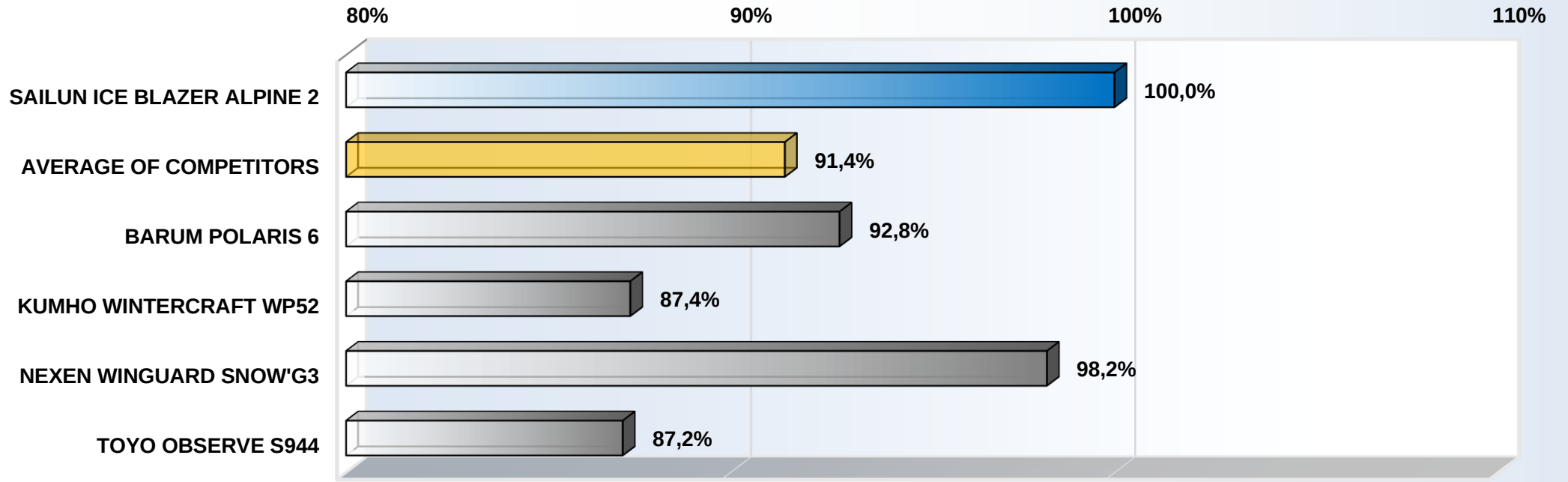
TEST RESULTS



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 – TÜV TIRE TEST MARK 2025

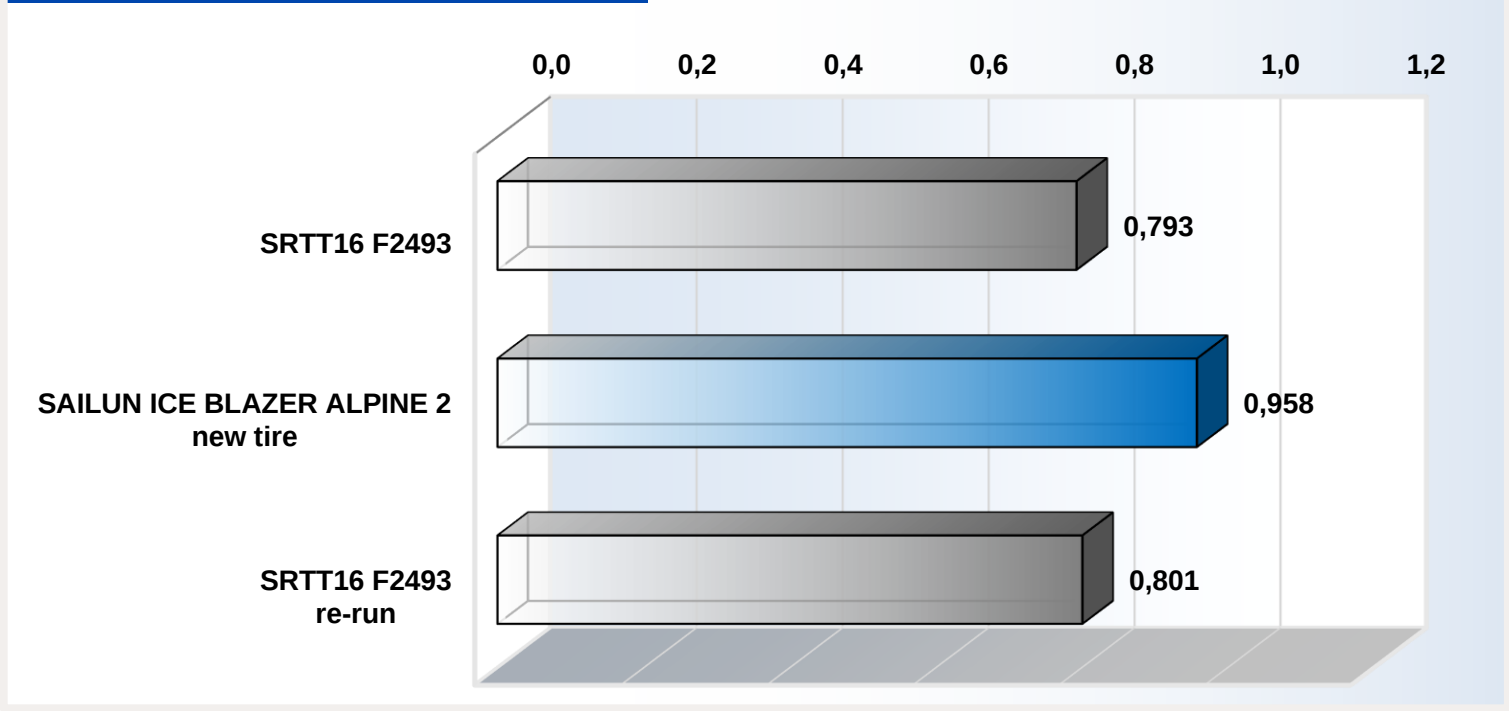
TEST RESULTS



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 F2493	13,5	14,5	-
SAILUN ICE BLAZER ALPINE 2 new tire	13,9	15,4	1,48
SRTT16 F2493 re-run	14,9	15,3	-

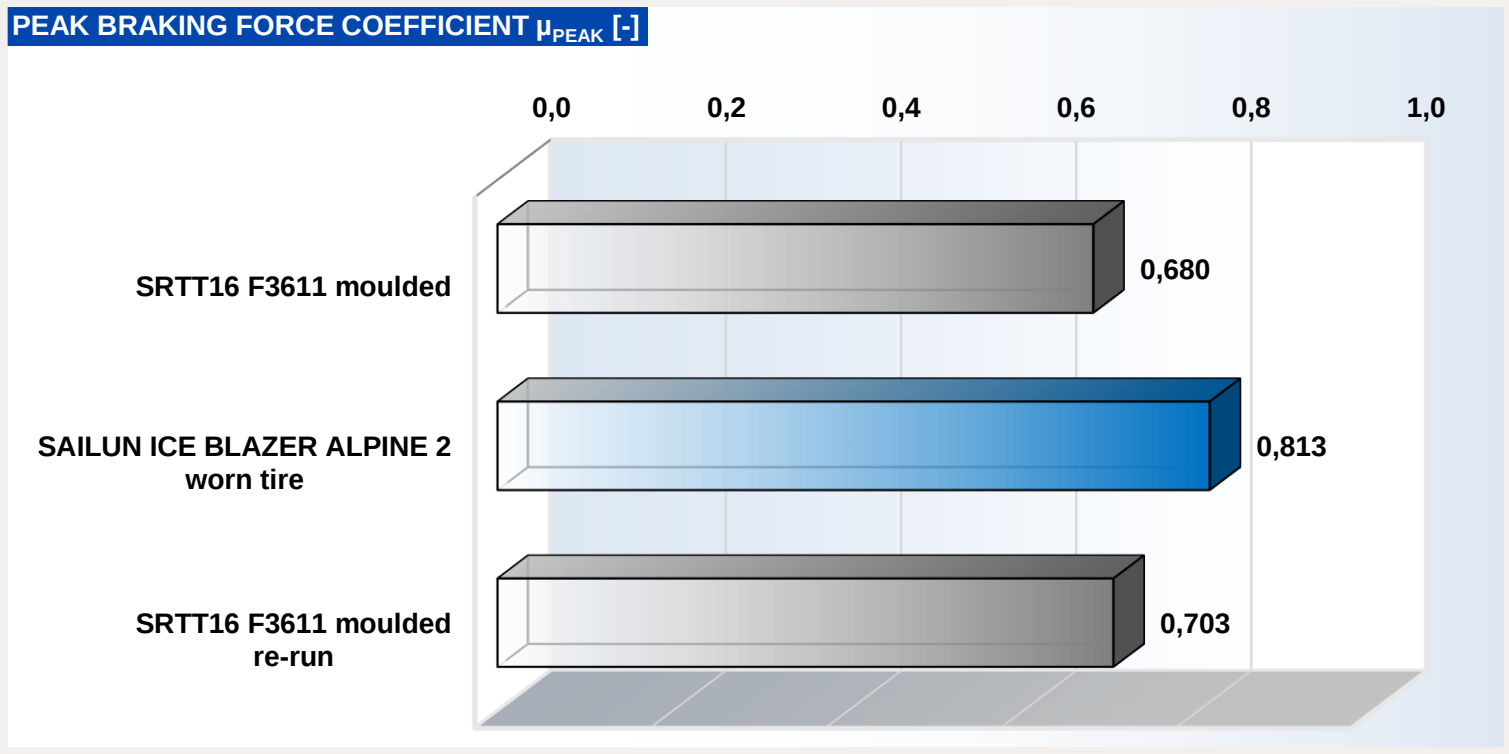
TÜV SÜD PS – TÜV TIRE TEST MARK 2025

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



TIRE BRAND	T _{Air} / T _{Surface} [°C]		WET GRIP INDEX
SRTT16 F3611 moulded	11,8	12,2	-
SAILUN ICE BLAZER ALPINE 2 worn tire	12,5	13,1	1,24
SRTT16 F3611 moulded re-run	12,8	14,2	-

TÜV SÜD PS – TÜV TIRE TEST MARK 2025

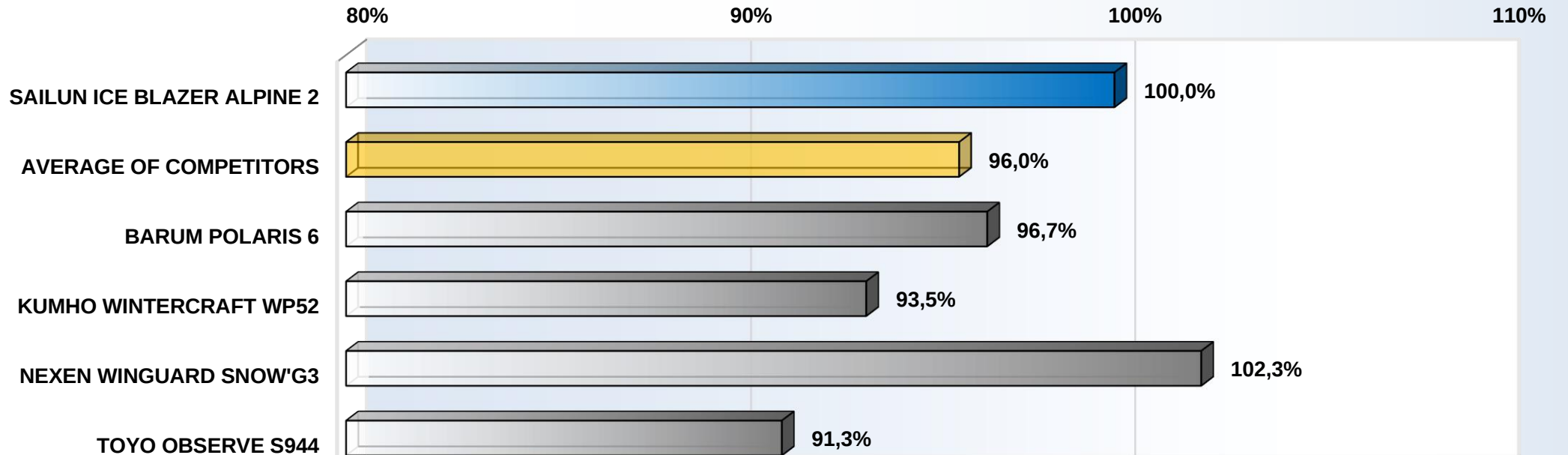
TEST RESULTS



WET HANDLING

- Subjective assessment and lap time on a wet handling circuit (track length: 1830 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 – TÜV TIRE TEST MARK 2025

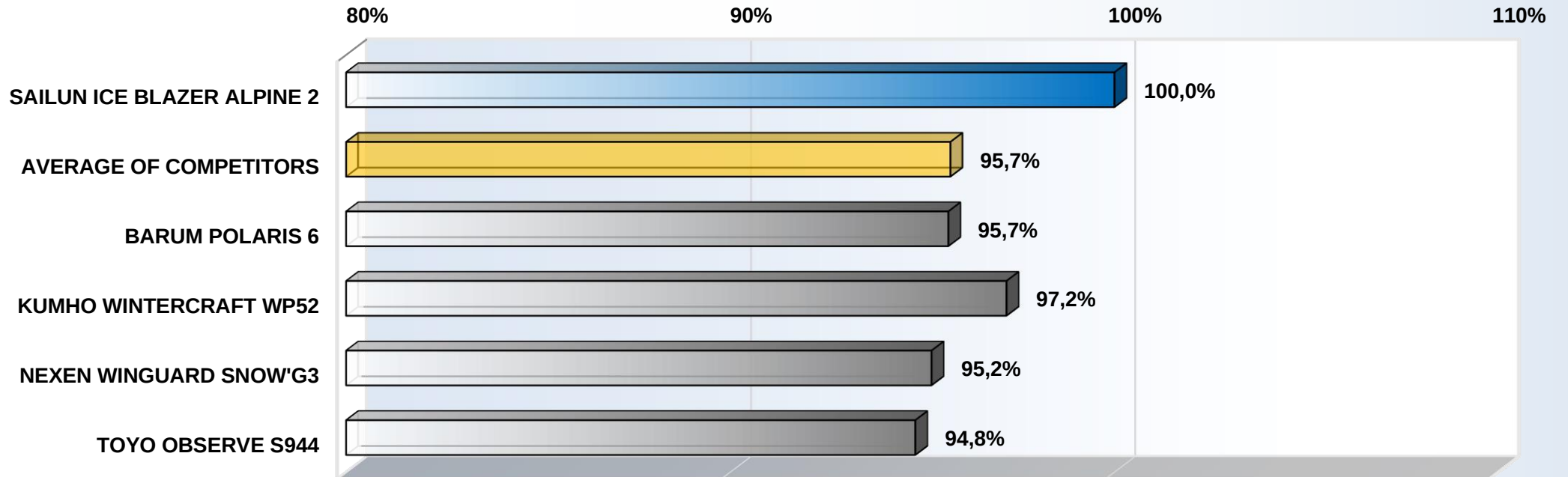
TEST RESULTS



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 – TÜV TIRE TEST MARK 2025

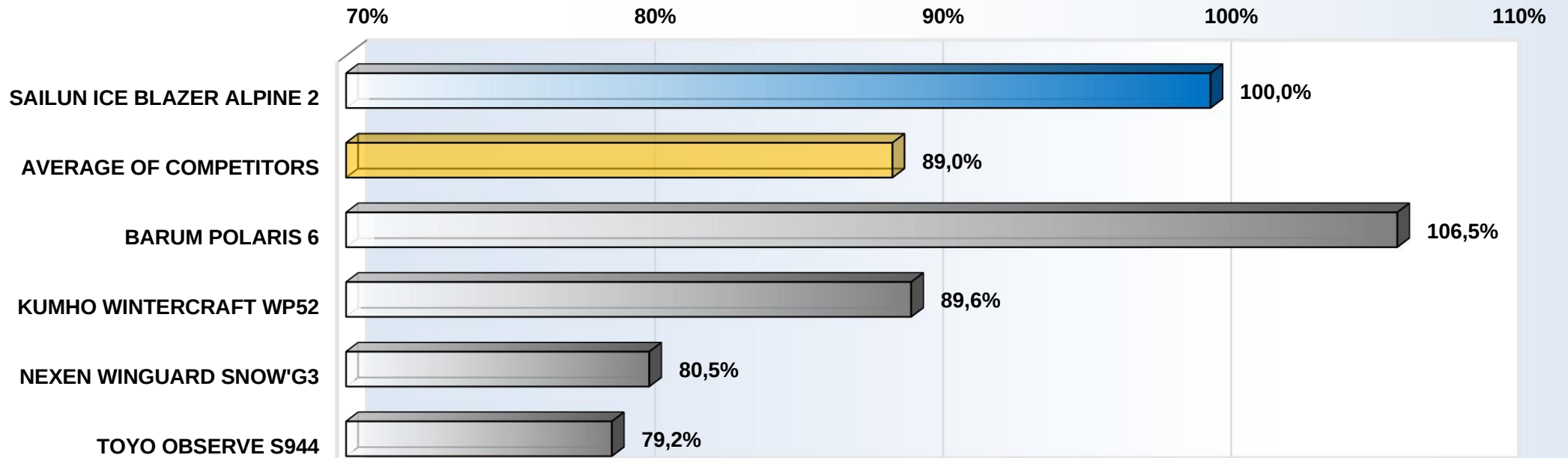
TEST RESULTS



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.

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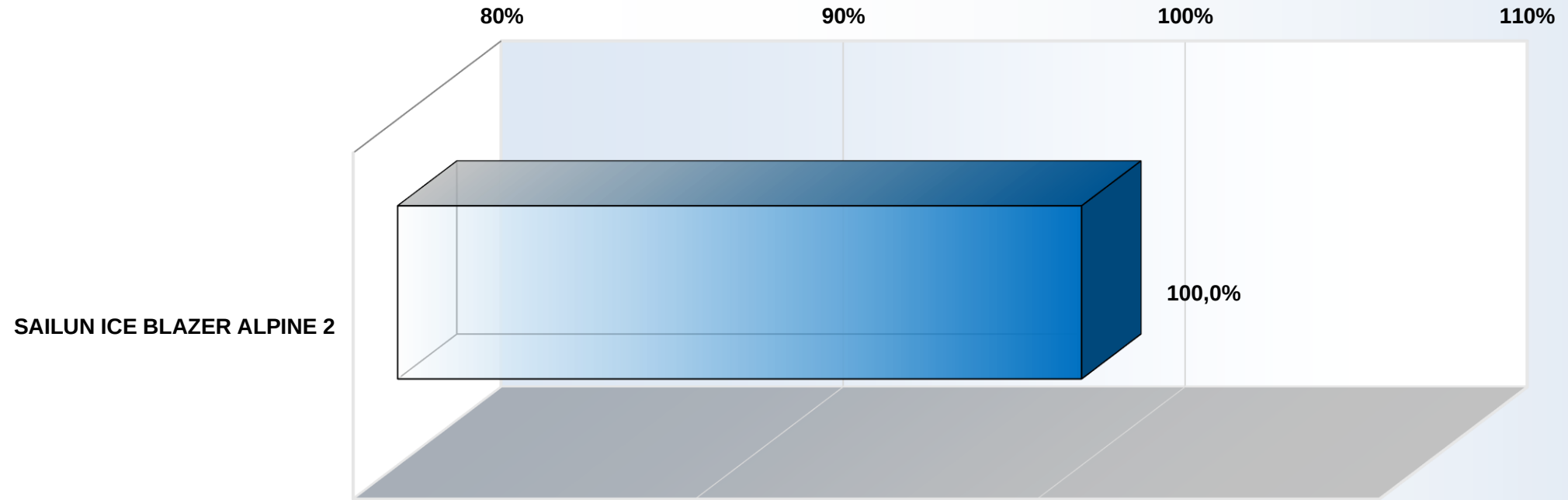
TEST RESULTS



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 – TÜV TIRE TEST MARK 2025

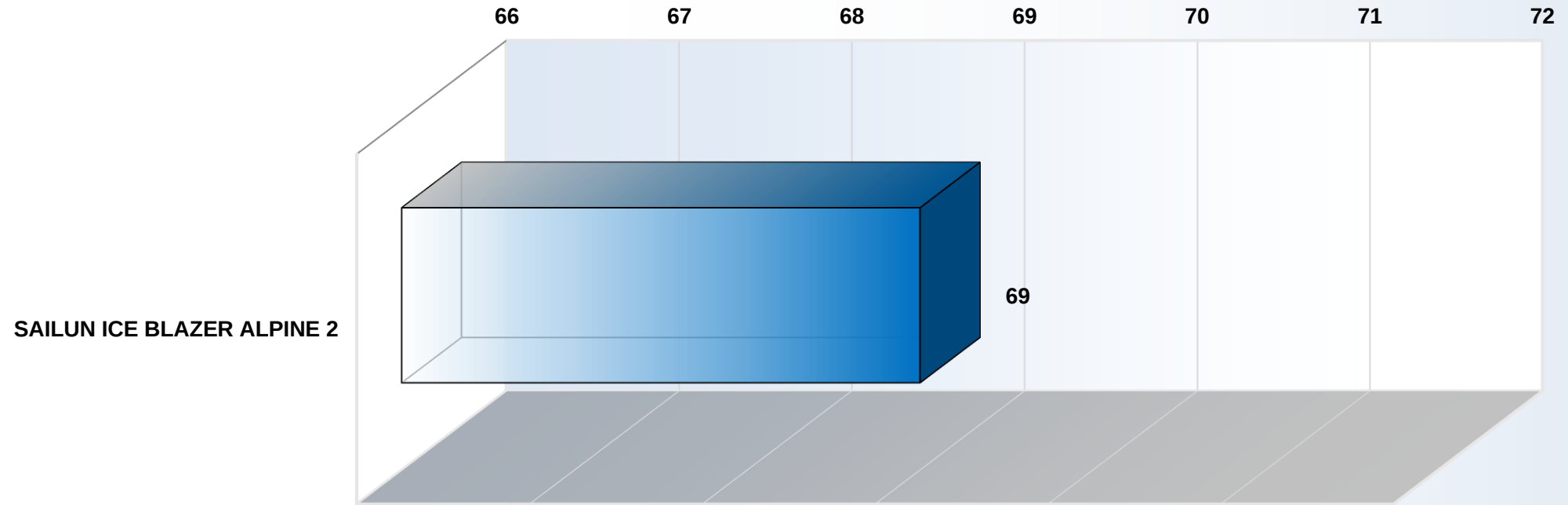
TEST RESULTS



ROLLING NOISE (ECE R117 Annex 3)

- Acc. to ECE R117 Annex 3
- Result: Rolling noise level (EU label value) [dB(A)]

ROLLING NOISE (EU label value) [dB(A)]



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SUMMARY OF RESULTS



Percentage > 100% means better, percentage < 100% means worse.	SAILUN ICE BLAZER ALPINE 2	BARUM POLARIS 6	KUMHO WINTERCRAFT WP52	NEXEN WINGUARD SNOW'G3	TOYO OBSERVE S944
ACCELERATION ON SNOW	100,0%	98,3%	96,1%	96,0%	96,4%
BRAKING ON SNOW	100,0%	98,6%	98,4%	99,3%	97,9%
HANDLING ON SNOW	100,0%	96,9%	98,8%	96,7%	94,9%
AQUAPLANING STRAIGHT-LINE	100,0%	93,4%	94,7%	100,2%	102,6%
WET BRAKING	100,0%	92,8%	87,4%	98,2%	87,2%
WET GRIP INDEX (ECE R117 Annex 5) - new	1,48	-	-	-	-
WET GRIP INDEX (ECE R117 Annex 9) - worn	1,24	-	-	-	-
WET HANDLING	100,0%	96,7%	93,5%	102,3%	91,3%
DRY BRAKING	100,0%	95,7%	97,2%	95,2%	94,8%
ROLLING RESISTANCE (ECE R117 Annex 6)	100,0%	106,5%	89,6%	80,5%	79,2%
HIGHSPEED TEST ADVANCED	100,0%	-	-	-	-
ROLLING NOISE (ECE R117 Annex 3)	69 dB(A)	-	-	-	-