

TIRE SEGMENT ME (195/65 R15 91 H), BRAKING ON WET SURFACE

SEGMENT ME (195/65 R15):  
WET BRAKING PERFORMANCE (RELATIVE, AVERAGE OF ALL TIRES = 100%)

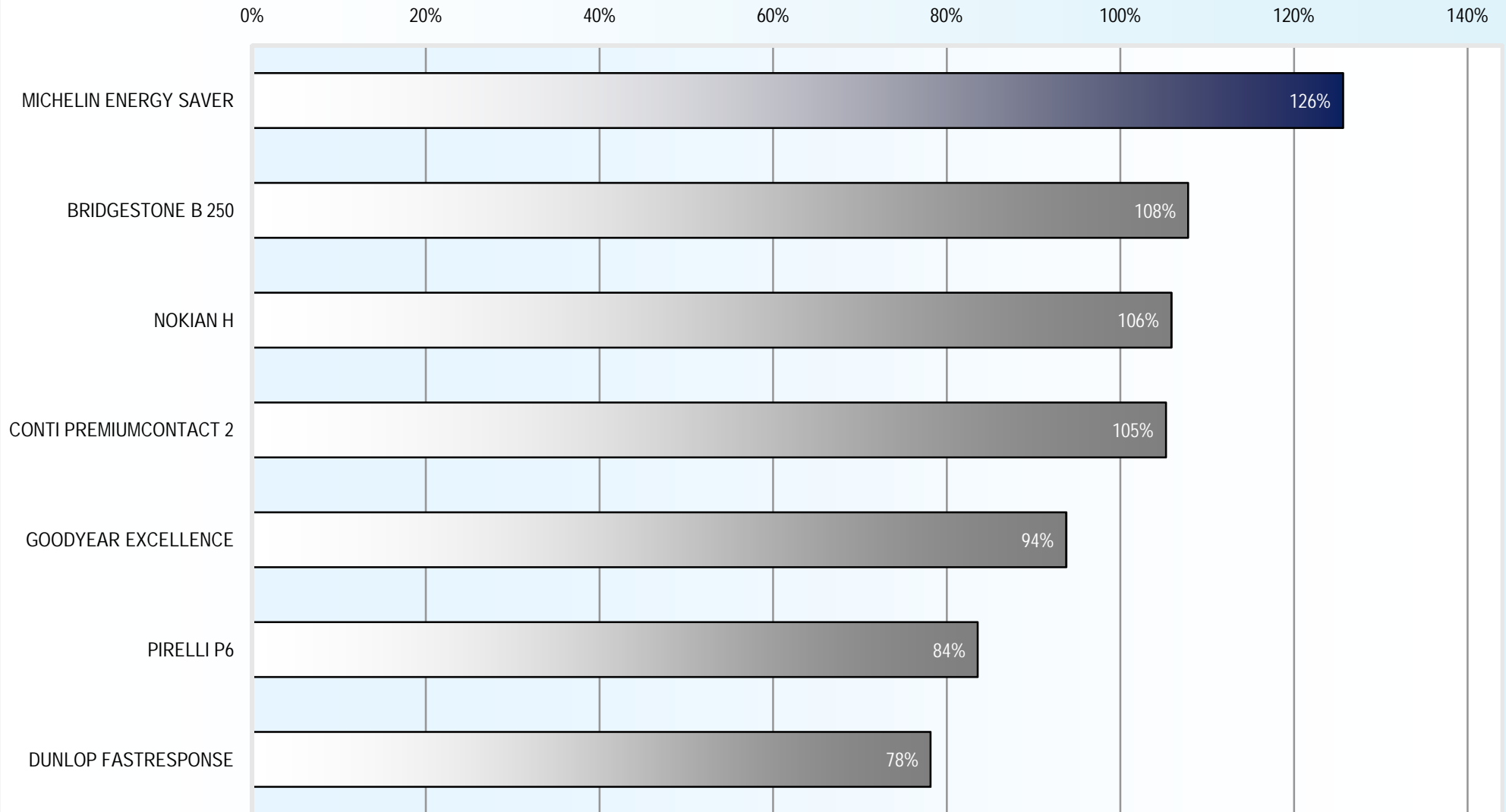


TIRE SEGMENT ME (195/65 R15 91 H), BRAKING ON WET SURFACE

BRAKING ON WET SURFACE																			
DATE: 19-Apr-08		AIR TEMP.: min. 9.7°C max. 12.5°C				TIRE SIZE: 195/65 R15 91 H				INFLATION FA: 2.2 bar			TEST VEHICLE: Golf Mk V 1.9 TDI				v1 [km/h]: 80		
TEST LOCATION: Papenburg ATP		SURFACE TEMP.: min. 9.9°C max. 17.3°C				ABS: on				INFLATION RA: 2.2 bar			TEST SURFACE: Wet asphalt				v2 [km/h]: 20		
TIRE BRAND	CODE	Value x <sub>1</sub> [m]	Value x <sub>2</sub> [m]	Value x <sub>3</sub> [m]	Value x <sub>4</sub> [m]	Value x <sub>5</sub> [m]	Value x <sub>6</sub> [m]	Value x <sub>7</sub> [m]	Value x <sub>8</sub> [m]	Ø Braking Distance [m]	Standard Dev. (• <sub>n-1</sub> ) [m]	Coefficient of Variation [%]	Ø Deceleration [m/s <sup>2</sup> ]	Reference Value [m/s <sup>2</sup> ]	Compared to Reference [%]	Difference to Reference [%]	Compared to Ø (Segment) [%]	Difference to Ø (Segment) [%]	
MICHELIN ENERGY SAVER	ME 1-1(1)	31,2	31,2	31,3	31,5					31,3	0,14	0,45%	7,40	7,396	100%	0%	103%	3%	
CONTI PREMIUMCONTACT 2	ME 2	31,7	31,6	31,7	31,7	31,3	31,4	31,8	31,8	31,6	0,18	0,58%	7,32	7,390	99%	-1%	102%	2%	
GOODYEAR EXCELLENCE	ME 3	32,0	32,1	32,0	32,2	31,9	31,6	32,0	32,0	32,0	0,18	0,55%	7,24	7,384	98%	-2%	101%	1%	
PIRELLI P6	ME 4	32,2	32,7	32,5	32,6	32,4	32,2	32,2	32,2	32,4	0,21	0,63%	7,15	7,378	97%	-3%	100%	0%	
MICHELIN ENERGY SAVER	ME 1-1(2)	31,2	31,5	31,5	31,4					31,4	0,14	0,45%	7,37	7,372	100%	0%	-	-	
MICHELIN ENERGY SAVER	ME 1-2(1)	31,3	31,0	31,6	31,4					31,3	0,25	0,80%	7,39	7,390	100%	0%	-	-	
BRIDGESTONE B 250	ME 5	31,7	31,9	31,7	31,7	32,3	31,9	31,7	32,4	31,9	0,29	0,89%	7,25	7,406	98%	-2%	101%	1%	
DUNLOP FASTRESPONSE	ME 6	33,7	33,4	33,7	33,2	33,7	33,4	33,4	33,2	33,5	0,21	0,64%	6,92	7,422	93%	-7%	96%	-4%	
NOKIAN H	ME 7	32,3	32,3	33,3	33,3	32,5	32,6	32,6	32,2	32,6	0,43	1,33%	7,09	7,439	95%	-5%	98%	-2%	
MICHELIN ENERGY SAVER	ME 1-2(2)	30,9	30,9	31,2	31,2					31,1	0,17	0,56%	7,46	7,455	100%	0%	-	-	

# TIRE SEGMENT ME (195/65 R15 91 H), ROLLING RESISTANCE






SEGMENT ME 195/65 R15):  
LOW ROLLING RESISTANCE PERFORMANCE (RELATIVE, AVERAGE OF ALL TIRES = 100%)



# TIRE SEGMENT ME (195/65 R15 91 H), ROLLING RESISTANCE



ROLLING RESISTANCE															
TEST LOCATION: TÜV Süd Automotive, Garching		TEST STANDARD: ISO 18164				TIRE SIZE: 195/65 R15 91 H				DRUM Ø: 2000 mm		INFLATION PRESSURE: 2.1 bar			
TEST RIG: H8		TEST METHOD: Electrical power				TEST RIM SIZE: 6 x 15				v: 80 km/h		TEST LOAD: 492 kg			
TIRE BRAND	CODE	T <sub>Ambient</sub> [°C]	Tire Width [mm]	Tire Weight [kg]	Static Circumference [mm]	Rolling Radius (at 80 km/h) [mm]	Rolling Circumference (at 80 km/h) [mm]	F <sub>R</sub> [N]	C <sub>R</sub> [kg/t]	F <sub>R-Aero</sub> [N]	C <sub>R-Aero</sub>	Compared to Reference [%]	Difference to Reference [%]	Compared to Ø (Segment) [%]	Difference to Ø (Segment) [%]
MICHELIN ENERGY SAVER	MER 1	25,7	199	7,68	1998	288	1926	41,5	8,58	39,4	8,13	100%	0%	126%	26%
CONTI PREMIUMCONTACT 2	MER 2	25,7	205	8,46	1995	289	1921	47,6	9,82	45,8	9,45	84%	-16%	105%	5%
GOODYEAR EXCELLENCE	MER 3	28,1	205	9,35	1996	289	1910	49,4	10,20	49,4	10,20	75%	-25%	94%	-6%
PIRELLI P6	MER 4	27,5	204	9,08	1995	289	1914	50,5	10,42	52,6	10,85	66%	-34%	84%	-16%
BRIDGESTONE B 250	MER 5	26,9	208	8,82	2012	292	1936	47,7	9,84	45,0	9,28	86%	-14%	108%	8%
DUNLOP FASTRESPONSE	MER 6	27,1	202	9,11	1996	289	1923	56,2	11,58	54,3	11,19	62%	-38%	78%	-22%
NOKIAN H	MER 7	26,6	203	9,05	1982	288	1908	48,8	10,07	45,6	9,42	84%	-16%	106%	6%

TIRE IDENTIFICATION TABLE: SEGMENT ME (195/65 R15 91 H):  
TIRES FOR WET PERFORMANCE TEST (1/2)

TÜV-CODE	POSITION / FUNCTION	DOT-CODE	BRAND	COMMERCIAL NAME	PRODUCTION COUNTRY	SIZE DESIGNATION	TREAD & SIDEWALL INFORMATION	UTQG-MARKING	SYMMETRY*	DIRECTIONALITY**	TREAD PROFILE
ME 1-1	FL	HDTA 6KTX 4007	Michelin	Energy Saver	Italy	195/65 R 15 91H	Tread: 1 Polyester 2 Steel 1 Polyamide Sidewall: 1 Polyester	TW: 400 Trac: A Temp: A	A	N	
	FR	HDTA 6KTX 4007									
	RL	HDTA 6KTX 4007									
	RR	HDTA 6KTX 4007									
	SPARE	HDTA 6KTX 4007									
ME 2	FL	AFAE AXXF 4807	Continental	Premium Contact 2	Portugal	195/65 R 15 91H	Tread: 1 Polyester 2 Nylon 2 Steel Sidewall: 1 Polyester	TW: 280 Trac: AA Temp: A	A	N	
	FR	AFAE AXXF 4807									
	RL	AFAE AXXF 4807									
	RR	AFAE AXXF 4807									
	SPARE	aFAE AXXF 4707									
ME 3	FL	NDAE 2D5R 0108	Goodyear	Excellence	Germany	195/65 R 15 91H	Tread: 1 Rayon 2 Steel 1 Polyamide Sidewall: 1 Rayon	TW: 240 Trac: A Temp: A	A	N	
	FR	NDAE 2D5R 0108									
	RL	NDAE 2D5R 0108									
	RR	NDAE 2D5R 0108									
	SPARE	NDAE 2D5R 0108									
ME 4	FL	XTUU E190 1707	Pirelli	P6	Germany	195/65 R 15 91H	Tread: 1 Polyester 2 Steel 2 Nylon Sidewall: 1 Polyester	TW: 260 Trac: AA Temp: A	S	N	
	FR	XTUU E190 1707									
	RL	XTUU E190 1707									
	RR	XTUU E190 1707									
	SPARE	xTUU E190 1607									
ME 5	FL	7G9N L7DT 3807	Bridgestone	B 250	Poland	195/65 R 15 91H	Tread: 2 Steel 1 Polyester 1 Nylon Sidewall: 1 Polyester	TW: 200 Trac: B Temp: A	S	N	
	FR	7G9N L7DT 3807									
	RL	7G9N L7DT 3807									
	RR	7G9N L7DT 3807									
	SPARE	7G9N L7DT 3707									

\*) S: symmetric A: asymtric \*\*) U: unidirectional N: non-directional

TIRE IDENTIFICATION TABLE: SEGMENT ME (195/65 R15 91 H):  
TIRES FOR WET PERFORMANCE TEST (2/2)

TÜV-CODE	POSITION / FUNCTION	DOT-CODE	BRAND	COMMERCIAL NAME	PRODUCTION COUNTRY	SIZE DESIGNATION	TREAD & SIDEWALL INFORMATION	UTQG-MARKING	SYMMETRY*	DIRECTIONALITY**	TREAD PROFILE
ME 6	FL	DMAE 22JR 1707	Dunlop	SP Sport Fastresponse	Germany	195/65 R 15 91H	Tread: 1 Rayon 2 Steel 1 Nylon Sidewall: 1 Rayon	TW: 280 Trac: A Temp: A	A	N	
	FR	DMAE 22JR 1807									
	RL	DMAE 22JR 1807									
	RR	DMAE 22JR 1807									
	SPARE	DMAE 22JR 1707									
ME 7	FL	YL6P 5207	Nokian	H	Finland	195/65 R15 95H XL	Tread: 1 Polyester 2 Steel 1 Nylon Sidewall: 1 Polyester	TW: 320 Trac: A Temp: A	A	N	
	FR	YL6P 5207									
	RL	YL6P 5207									
	RR	YL6P 5207									
	SPARE	YL6P 5107									
ME 1-2	FL	HDTA 6KTX 4007	Michelin	Energy Saver	Italy	195/65 R 15 91H	Tread: 1 Polyester 2 Steel 1 Polyamide Sidewall: 1 Polyester	TW: 400 Trac: A Temp: A	A	N	same as ME 1-1
	FR	HDTA 6KTX 4007									
	RL	HDTA 6KTX 4007									
	RR	HDTA 6KTX 4007									

\*) S: symmetric A: asymmetric \*\*) U: unidirectional N: non-directional