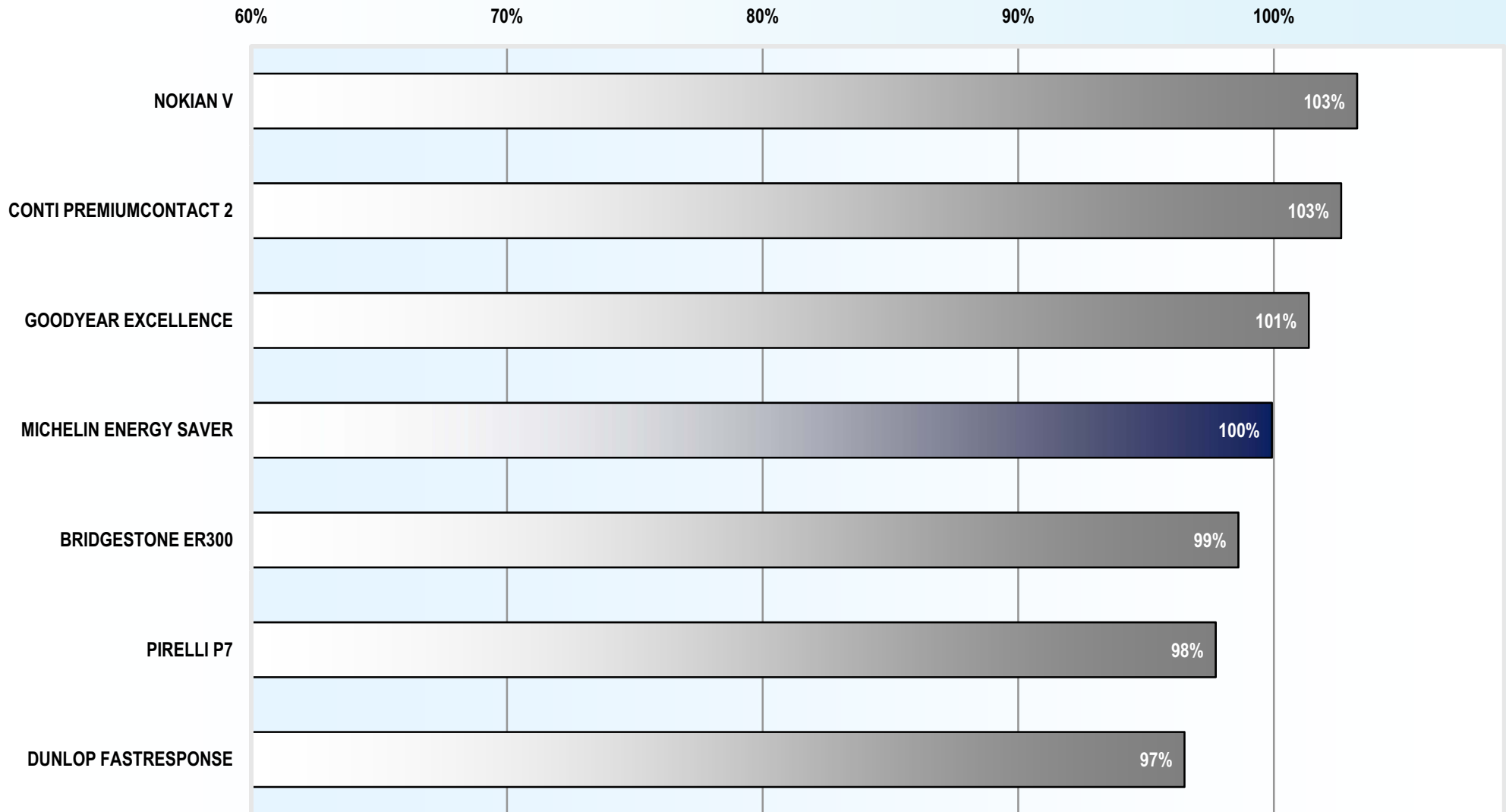


TIRE SEGMENT MP (205/55 R16 91 V), BRAKING ON WET SURFACE

**SEGMENT MP (205/55 R16):  
WET BRAKING PERFORMANCE (RELATIVE, AVERAGE OF ALL TIRES = 100%)**

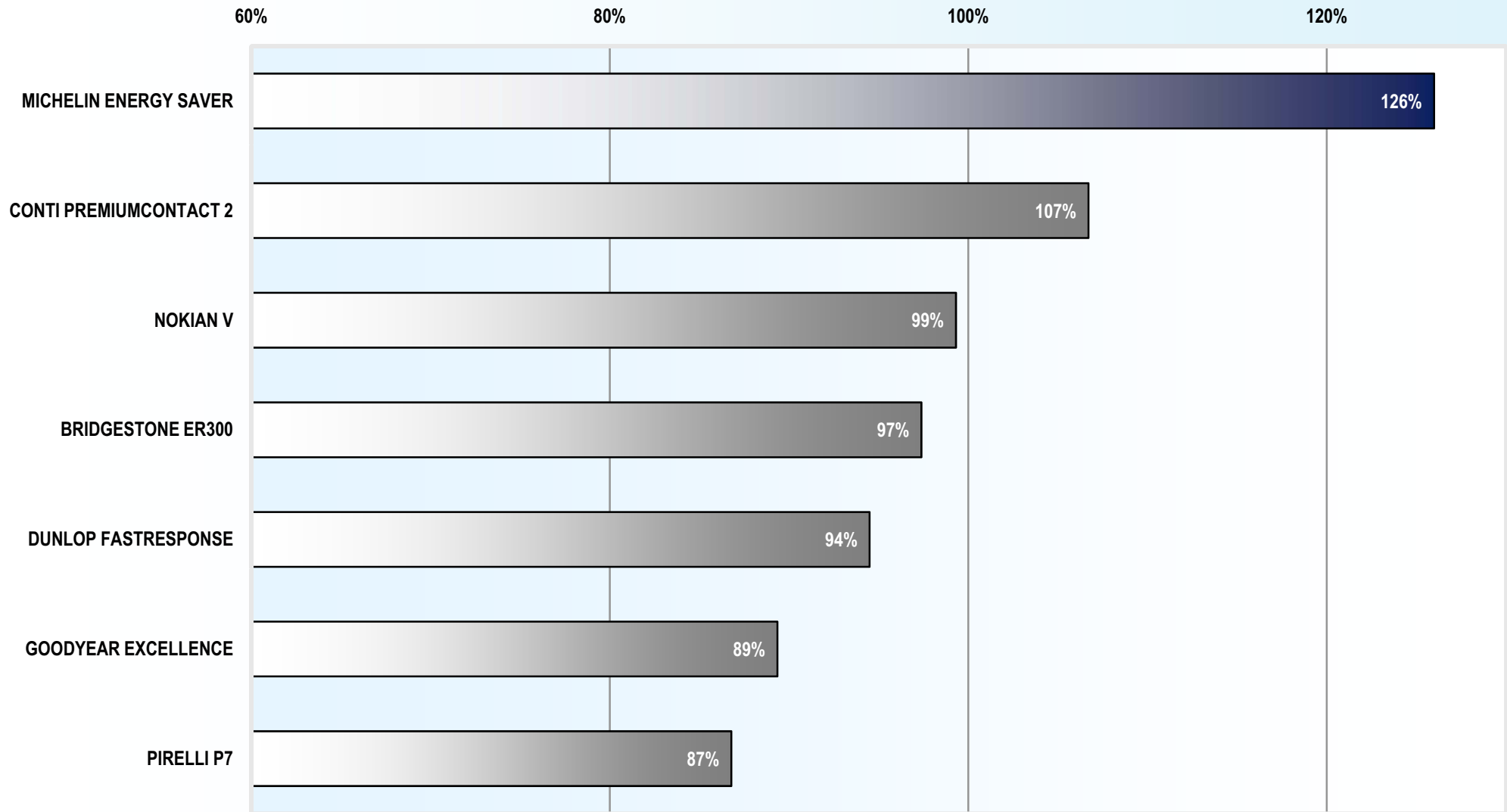


**TIRE SEGMENT MP (205/55 R16 91 V), BRAKING ON WET SURFACE**

BRAKING ON WET SURFACE																		
DATE:	17-Apr-08	AIR TEMP.: min. 9.9°C max. 10.7°C				TIRE SIZE: 205/55 R16 91V				INFLATION FA: 2.2 bar			TEST VEHICLE: VW Golf 1.9 TDI			v1 [km/h]: 80		
TEST LOCATION:	ATP (D)	SURFACE TEMP.: min. 13.3°C max. 16.4°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. (σ <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	MP 1-1	30,5	30,0	29,8	29,8					30,0	0,33	1,10%	7,71	7,710	100%	0%	100%	0%
BRIDGESTONE ER300	MP 2	30,6	30,7	30,5	30,6	30,4	30,5	30,8	30,2	30,5	0,18	0,60%	7,58	7,681	99%	-1%	99%	-1%
CONTI PREMIUMCONTACT 2	MP 3	29,4	29,4	29,3	29,5	29,9	29,6	29,5	29,0	29,5	0,26	0,87%	7,86	7,653	103%	3%	103%	3%
DUNLOP FASTRESPONSE	MP 4	31,4	31,2	31,2	31,3	31,6	31,5	31,7	31,6	31,4	0,19	0,61%	7,36	7,624	97%	-3%	97%	-3%
MICHELIN ENERGY SAVER	MP 1-1(2)	30,6	30,2	30,4	30,7					30,5	0,22	0,73%	7,60	7,596	100%	0%	-	-
MICHELIN ENERGY SAVER	MP 1-2(1)	30,1	30,6	30,2	30,6					30,4	0,26	0,87%	7,62	7,621	100%	0%	-	-
GOODYEAR EXCELLENCE	MP 5	30,3	30,1	30,3	30,3	30,1	29,8	30,0	30,0	30,1	0,18	0,60%	7,69	7,578	101%	1%	101%	1%
PIRELLI P7	MP 6	31,5	31,7	31,6	31,4	31,4	31,3	31,2	31,2	31,4	0,18	0,58%	7,37	7,535	98%	-2%	98%	-2%
NOKIAN V	MP 7	30,0	29,9	29,8	29,9	29,7	29,8	30,0	30,1	29,9	0,13	0,44%	7,74	7,492	103%	3%	103%	3%
MICHELIN ENERGY SAVER	MP 1-2(2)	30,6	31,4	31,4	30,9					31,1	0,39	1,27%	7,45	7,449	100%	0%	-	-

TIRE SEGMENT MP (205/55 R16 91 V), ROLLING RESISTANCE






**SEGMENT MP (205/55 R16):  
LOW ROLLING RESISTANCE PERFORMANCE (RELATIVE, AVERAGE OF ALL TIRES = 100%)**



**TIRE SEGMENT MP (205/55 R16 91 V), ROLLING RESISTANCE**



<b>ROLLING RESISTANCE</b>															
TEST LOCATION: TÜV Süd Automotive, Garching		TEST STANDARD: ISO 18164				TIRE SIZE: 205/55 R16				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	MPR 1-1	25,5	212	8,20	1982	289	1917	41,5	8,58	39,2	8,10	100%	0%	126%	26%
BRIDGESTONE TURANZA ER300	MPR 2	28,2	215	9,61	1999	292	1929	50,7	10,47	48,1	9,92	77%	-23%	97%	-3%
CONTI PREMIUMCONTACT 2	MPR 3	27,2	217	9,52	1998	292	1929	47,3	9,77	45,2	9,32	85%	-15%	107%	7%
DUNLOP FASTRESPONSE	MPR 4	26,6	219	9,42	1987	298	1915	50,0	10,33	49,0	9,90	75%	-25%	94%	-6%
GOODYEAR EXCELLENCE	MPR 5	26,8	214	9,13	1994	290	1925	52,8	10,89	50,6	10,45	71%	-29%	89%	-11%
PIRELLI P7	MPR 6	26,1	214	9,67	1992	290	1913	53,6	11,05	51,4	10,60	69%	-31%	87%	-13%
NOKIAN V	MPR 7	26,0	214	9,94	1974	290	1904	49,5	10,21	47,5	9,80	79%	-21%	99%	-1%

**TIRE IDENTIFICATION TABLE: SEGMENT MP (205/55 R16 91 V):  
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
MP 1-1	FL	FUWC E5RX 4707	Michelin	Energy Saver	Germany	205/55 R16 91V	Tread: 1 Polyester 2 Steel 1 Polyamid SW: 1 Polyester	TW: 400 Trac: A Temp: A	A	N	
	FR	FUWC E5RX 4707									
	RL	FUWC E5RX 4707									
	RR	FUWC E5RX 4707									
	SPARE	FUWC E5RX 4707									
MP 2	FL	7G8K L5VT 4307	Bridgestone	ER300	Poland	205/55 R16 91V	Tread: 1 Rayon 2 Steel 1 Nylon SW: 1 Rayon	TW: 320 Trac: A Temp: A	A	N	
	FR	7G8K L5VT 4307									
	RL	7G8K L5VT 4307									
	RR	7G8K L5VT 4307									
	SPARE	7G8K L5VT 4307									
MP 3	FL	6GOF A1XF 1507	Continental	PremiumContact2	Romania	205/55 R16 91V	Tread: 2 Polyester 2 Steel 1 Nylon SW: 1 Polyester	TW: 280 Trac: AA Temp: A	A	N	
	FR	6GOF A1XF 1507									
	RL	6GOF A1XF 2707									
	RR	6GOF A1XF 2707									
	SPARE	6GOF A1XF 1507									
MP 4	FL	N50F 2MYR 4907	Dunlop	Fast Response	Germany	205/55 R16 91V	Tread: 1 Rayon 2 Steel 1 Nylon SW: 1 Rayon	TW: 280 Trac: A Temp: A	A	N	
	FR	N50F 2MYR 4907									
	RL	N50F 2MYR 4907									
	RR	N50F 2MYR 4907									
	SPARE	N50F 2MYR 4907									
MP 5	FL	DLOF 2Y4R 4807	Goodyear	Excellence	France	205/55 R16 91V	Tread: 1 Rayon 2 Steel 1 Polyamid SW: 1 Rayon	TW: 240 Trac: A Temp: A	A	N	
	FR	DLOF 2Y4R 4807									
	RL	DLOF 2Y4R 4807									
	RR	DLOF 2Y4R 4807									
	SPARE	DLOF 2Y4R 4907									

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

**TIRE IDENTIFICATION TABLE: SEGMENT MP (205/55 R16 91 V):  
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
MP 6	FL	XABK B797 2707	Pirelli	P7	Italy	205/55 R16 91V	Tread: 1 Rayon 2 Steel 2 Nylon SW: 1 Rayon	TW: 260 Trac: AA Temp: A	A	N	
	FR	XABK B797 2707									
	RL	XABK B797 2707									
	RR	XABK B797 2707									
	SPARE	XABK B797 2407									
MP 7	FL	YLCP 0208	Nokian	V	Finland	205/55 R16 94V XL	Tread: 1 Polyester 2 Steel 1 Nylon SW: 1 Polyester	TW: 300 Trac: A Temp: A	A	N	
	FR	YLCP 0208									
	RL	YLCP 0208									
	RR	YLCP 0208									
	SPARE	YLCP 0208									
MP 1-2	FL	FUWC E5RX 4707	Michelin	Energy Saver	Germany	205/55 R16 91V	Tread: 1 Polyester 2 Steel 1 Polyamid SW: 1 Polyester	TW: 400 Trac: A Temp: A	A	N	see MP 1-1
	SA	FUWC E5RX 4707									
	RL	FUWC E5RX 4707									
	RR	FUWC E5RX 4707									
	SPARE	FUWC E5RX 4707									

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