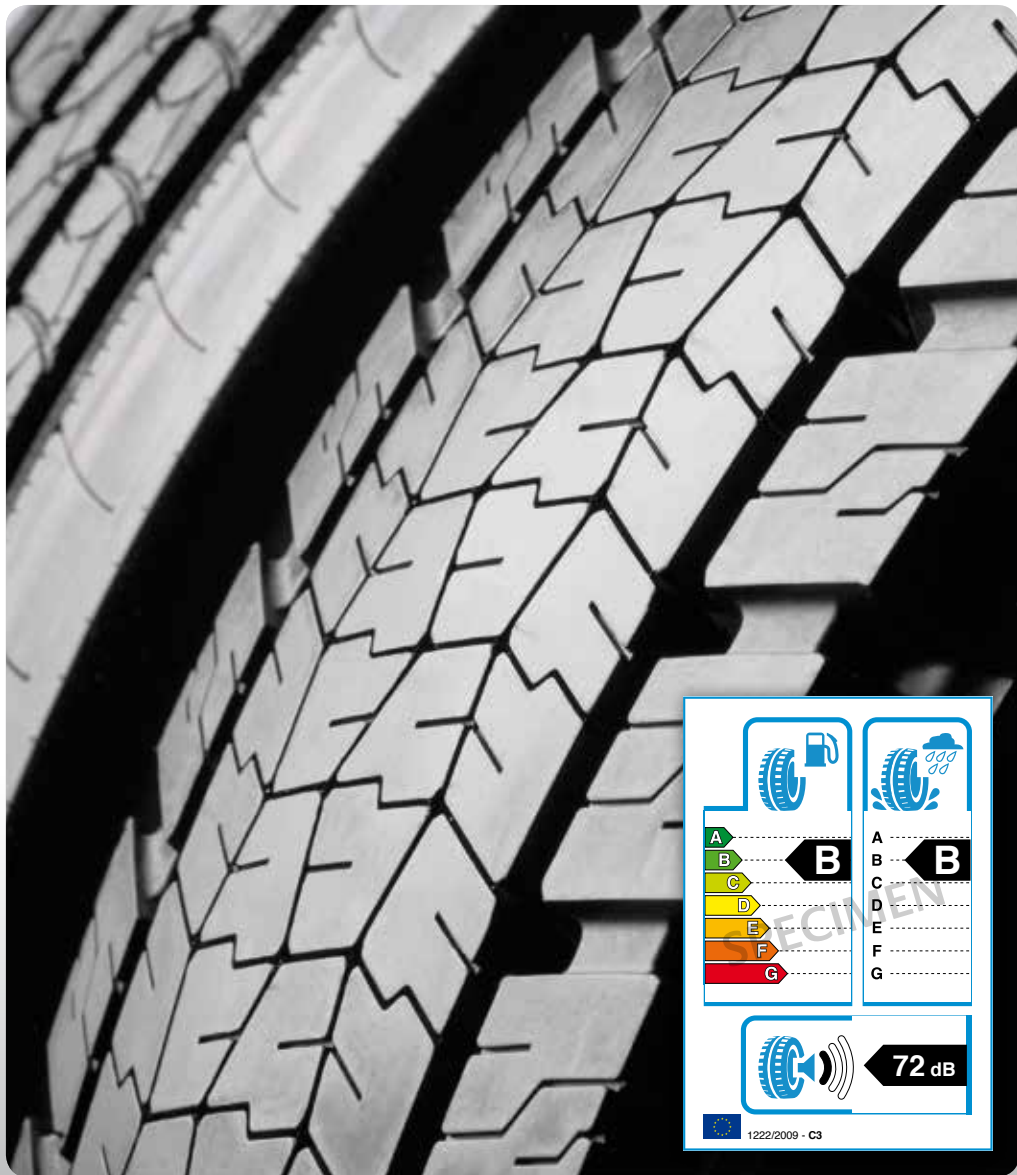




Rotulagem de Pneus

Classificação de Pneus de Camião e Autocarro



A	A
B	B
C	C
D	D
E	E
F	F
G	G
	72 dB
	1222/2009 - C3



Rotulagem Europeia de Pneus

REGULAMENTO (EC) Nº 1222/2009

A partir de 1 de Novembro de 2012, entra em vigor um novo regulamento sobre a rotulagem de pneus para promover um transporte mais seguro, mais económico e mais amigo do ambiente na Europa. Os novos rótulos dão informações sobre a performance dos pneus em três áreas-chave: travagem em piso molhado, ruído exterior e resistência ao rolamento.

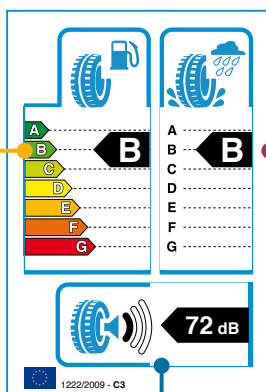


EFICIÊNCIA NO CONSUMO DE COMBUSTÍVEL

7 níveis de A (mais eficiente) à menos eficiente

A diferença pode variar em função do veículo e das condições de condução. No entanto, a diferença entre uma classificação G e uma A para um conjunto completo de pneus pode significar uma redução do consumo de combustível de 20%*.

* Fonte: European Commission's Impact Assessment SEC (2008) 2860.



ADERÊNCIA EM PISO MOLHADO

7 níveis - de A (melhor aderência em piso molhado) à pior aderência em piso molhado

No entanto, no caso dum travagem total, a diferença entre uma classificação G e uma A para um conjunto completo de pneus pode chegar a uma distância de travagem 30% inferior.



RUÍDO EXTERIOR

O ruído exterior pode ser dividido em 3 categorias e é medido em decibel (dB) de acordo com a nova classificação europeia de ruído exterior a ser introduzido em 2016. O pictograma do ruído mostra as categorias e os traços a negro junto ao pictograma indicam o nível de ruído em valor absoluto.

De salientar que o nível externo de ruído de rolamento do pneu não está relacionado com o ruído interior do veículo.



- **1 traço a negro de ruído** (= 3dB inferior ao futuro limite europeu)



- **2 traços a negro de ruído** (= já cumpre o futuro limite europeu)



















































































- **3 traços a negro de ruído** (= cumpre o actual limite europeu)








































OBRIGATORIEDADE:







































O Regulamento exige que os pneus (*) produzidos após 30 de Junho de 2012 e em comercialização na UE a partir de Novembro de 2012, mostrem a sua classificação em termos de Resistência ao rolamento, Aderência em piso molhado e Ruído em todas as publicações de carácter técnico.

































* Alguns pneus, tais como os pneus recauchutados, de utilização profissional "off-road" e pneus com pregos, estão excluídos.

Informação Geral					Informação na Etiqueta			
Jante	Medida	Piso	IPC	Código EAN				
Pneus de camião para longo curso								
15	7.50 R15 135J133J	R187	2973	3286340297318	E	C		71 dB
	8.25 R15 143J141J	R187	2974	3286340297417	D	C		71 dB
	205/80 R15 124J122J	R184	2999	3286340299916	E	C		69 dB
19.5	435/50 R19.5 160J	R166II	50490	3286347489911	D	C		73 dB
22.5	10 R22.5 144L142L	M716	74899	3286347489914	F	C		73 dB
	11 R22.5 148L145L	M711	70301	3286347030116	E	D		72 dB
	11 R22.5 148L145L	R187	6660	328634666017	D	B		68 dB
	255/70 R22.5 140M140L	R294	49409	3286344940913	D	C		70 dB
	275/70 R22.5 148L145L	R184	70271	3286347027116	D	C		71 dB
	275/70 R22.5 148M145M	R249 Ecopia	3828	3286340382816	C	C		72 dB
	275/80 R22.5 148M144M	R294	48338	3286344833819	E	C		71 dB
	295/60 R22.5 150L147L	M749 Ecopia	3872	3286340387217	E	C		74 dB
	295/60 R22.5 150L147L	R249 Ecopia	3821	3286340382113	D	C		72 dB
	295/80 R22.5 152M148M	M730	50403	3286345040315	F	C		75 dB
	295/80 R22.5 152M148M	M749 Ecopia	3803	3286340380317	D	C		75 dB
	295/80 R22.5 152M148M	R249 Ecopia	3814	3286340381413	C	C		72 dB
	295/80 R22.5 154M149M	ECOPIA H-STEER 001	6243	3286340624312	C	C		70 dB
	295/80 R22.5 152M148M	ECOPIA H-DRIVE 001	6246	3286340624619	C	C		73 dB
	305/70 R22.5 150M152L	R249 Ecopia	3817	3286340381710	D	C		69 dB
	315/45 R22.5 147L145L	M749	4876	3286340487610	E	D		76 dB
	315/60 R22.5 152L148L	M749 Ecopia	3805	3286340380515	E	C		75 dB
	315/60 R22.5 152L148L	R249 Ecopia	3819	3286340381918	D	C		71 dB
	315/60 R22.5 154L148L	R249 EVO Ecopia	3825	3286340382519	D	C		70 dB
	315/70 R22.5 154L152M	ECOPIA H-DRIVE 001	4950	3286340495011	C	C		74 dB
	315/70 R22.5 156L154M	ECOPIA H-STEER 001	4948	3286340494816	B	C		71 dB
	315/70 R22.5 152M154L	M730	50404	3286345040414	F	C		75 dB
	315/70 R22.5 152M154L	M749 Ecopia	3801	3286340380119	D	B		75 dB
	315/70 R22.5 152M154L	R249 Ecopia	3812	3286340381215	C	B		73 dB
	315/70 R22.5 156L154M	R249 EVO Ecopia	3827	3286340382717	D	C		71 dB
	315/80 R22.5 154M156L	M730	50402	3286345040216	F	C		75 dB
	315/80 R22.5 154M156L	M749 Ecopia	3799	3286340379915	D	C		75 dB
	315/80 R22.5 154M149M	R184	73589	3286347358913	D	C		69 dB
	315/80 R22.5 154M156L *	M749 Ecopia	6715	3286340671514	D	C		75 dB
	315/80 R22.5 154M156L **	R249 Ecopia	6284	3286340628411	C	C		73 dB
	315/80 R22.5 154M156L	R249 Ecopia	3810	3286340381017	C	C		72 dB
	355/50 R22.5 156L	R249 EVO	4367	3286340436717	D	C		71 dB
	315/80 R22.5 156L150L	ECOPIA H-STEER 001	6245	3286340624510	C	C		69 dB

Informação Geral					Informação na Etiqueta			
Jante	Medida	Piso	IPC	Código EAN				
22.5	315/80 R22.5 156L150L **	ECOPIA H-STEER 001	6244	3286340624411	C	C	 69 dB	
	315/80 R22.5 156L150L	ECOPIA H-DRIVE 001	6247	3286340624718	C	C	 70 dB	
	315/80 R22.5 156L150L **	ECOPIA H-DRIVE 001	6248	3286340624817	C	C	 70 dB	
	385/55 R22.5 158L160K	ECOPIA H-TRAILER 001	5807	3286340580717	B	C	 73 dB	
	385/55 R22.5 160K158L	R109 Ecopia	3156	3286340315616	C	D	 73 dB	
	385/55 R22.5 160K158L	R249 Ecopia	4843	3286340484312	D	C	 72 dB	
	385/65 R22.5 160K158L	R109 Ecopia	4289	3286340428910	C	C	 71 dB	
	385/65 R22.5 160K158L	R164	74556	3286347455612	C	C	 71 dB	
	385/65 R22.5 160K158L	R249 Ecopia	3807	3286340380713	C	B	 74 dB	
	425/65 R22.5 165K	R164	48802	3286344880219	C	D	 70 dB	
	445/65 R22.5 169K	R164	50282	3286345028214	C	C	 70 dB	
	495/45 R22.5 169M	GREATEC M709 Ecopia	3797	3286340379717	C	D	 73 dB	
Pneus de camião para utilização regional								
17.5	9.5 R17.5 129M127M	M729	50228	3286345022816	F	C	 74 dB	
	9.5 R17.5 143J141J	R168	1749	3286340174916	D	C	 71 dB	
	9.5 R17.5 129M127M	R227	50223	3286345022311	E	C	 72 dB	
	10 R17.5 134L132L	R180	70336	3286347033612	D	D	 67 dB	
	10 R17.5 134L132L	VSX	3905	3286340390514	E	D	 71 dB	
	205/65 R17.5 127J129F	R168	2942	3286340294218	D	C	 70 dB	
	205/75 R17.5 124M122M	M729	4342	3286340434218	E	D	 72 dB	
	205/75 R17.5 124M122M	M788	50364	3286345036417	F	C	 69 dB	
	205/75 R17.5 124M122M	R227	50154	3286345015412	D	C	 68 dB	
	215/75 R17.5 126M124M	M729	50136	3286345013616	F	C	 74 dB	
	215/75 R17.5 126M124M	M788	50365	3286345036516	E	C	 68 dB	
	215/75 R17.5 135J133J	R168	50427	3286345042715	D	C	 69 dB	
	215/75 R17.5 126M124M	R227	50130	3286345013012	D	C	 73 dB	
	225/75 R17.5 129M127M	M729	50138	3286345013814	E	C	 74 dB	
	225/75 R17.5 129M127M	M788	50366	3286345036615	E	C	 70 dB	
	225/75 R17.5 129M127M	R227	50132	3286345013210	D	C	 72 dB	
	235/75 R17.5 132M130M	M729	50162	3286345016211	F	C	 74 dB	
	235/75 R17.5 143J141J	R168	50428	3286345042814	C	C	 69 dB	
	235/75 R17.5 132M130M	R227	50155	3286345015511	D	C	 71 dB	
	245/70 R17.5 136M134M	M729	50273	3286345027316	F	C	 73 dB	
	245/70 R17.5 143J144F	R168	2153	3286340215312	C	C	 69 dB	
	245/70 R17.5 136M134M	R227	50272	3286345027217	D	C	 70 dB	
	265/70 R17.5 138M136M	M729	50275	3286345027514	F	C	 73 dB	
	265/70 R17.5 138M136M	R227	50274	3286345027415	D	C	 70 dB	
	19.5	245/70 R19.5 136M134M	M729	50169	3286345016914	F	D	 73 dB

Informação Geral					Informação na Etiqueta			
Jante	Medida	Piso	IPC	Código EAN				
19.5	245/70 R19.5 141J140J	R168	2443	3286340244312	D	C		70 dB
	245/70 R19.5 136M134M	R227	50170	3286345017010	D	C		72 dB
	265/70 R19.5 140M138M	M729	50140	3286345014019	F	C		71 dB
	265/70 R19.5 140M138M	M788	50367	3286345036714	E	D		71 dB
	265/70 R19.5 143J141J	R168	50429	3286345042913	D	B		71 dB
	265/70 R19.5 140M138M	R227	50126	3286345012619	D	B		71 dB
	285/70 R19.5 145M143M	M729	50160	3286345016013	E	C		73 dB
	285/70 R19.5 146M144M	M788	1360	3286340136013	E	C		74 dB
	285/70 R19.5 150J148J	R168	2243	3286340224314	C	C		71 dB
	285/70 R19.5 145M143M	R227	50353	3286345035311	C	C		73 dB
	305/70 R19.5 148M145M	M729	50134	3286345013418	F	C		73 dB
	305/70 R19.5 148M145M	R227	50128	3286345012817	D	B		71 dB
	435/50 R19.5 160J	R166II	50490	3286345049011	D	C		73 dB
22.5	10 R22.5 144L142L	M716	74899	3286347489914	F	C		73 dB
	11 R22.5 148L145L	R297	50302	3286345030217	E	C		72 dB
	12 R22.5 152L148L	M729	49993	3286344999317			*	
	12 R22.5 152L148L	R297	50294	3286345029419	D	B		72 dB
	13 R22.5 156L150L	M729	4365	3286340436519	E	C		73 dB
	13 R22.5 156L150L	R297	50292	3286345029211	D	C		71 dB
	275/70 R22.5 148M145M	M729	4360	3286340436014	E	C		75 dB
	275/70 R22.5 148M152E	M788	50335	3286345033515	D	C		72 dB
	275/70 R22.5 148K145K	R297	50379	3286345037919	D	C		72 dB
	295/80 R22.5 152M148M	M729	5366	3286340536615	E	C		73 dB
	295/80 R22.5 152M148M	M729	49992	3286344999218	F	C		74 dB
	295/80 R22.5 152M148M	M730	50403	3286345040315	F	C		75 dB
	295/80 R22.5 152M148M	M788	50241	3286345024117			*	
	295/80 R22.5 152M148M	R297	50360	3286345036011	D	B		73 dB
	295/80 R22.5 154M149M	R-STEER 001	5966	3286340596619	D	C		68 dB
	295/80 R22.5 152M148M	R-DRIVE 001	5970	3286340597012	D	C		75 dB
	305/70 R22.5 150M152L	M729	4356	3286340435611	F	C		74 dB
	315/70 R22.5 152M154L	M729	4353	3286340435314	E	C		77 dB
	315/70 R22.5 152M154L	M730	50404	3286345040414	F	C		75 dB
	315/70 R22.5 152M154L	M788	50334	3286345033416	D	C		71 dB
	315/70 R22.5 152M154L	R297	50374	3286345037414	D	B		74 dB
	315/70 R22.5 156L154M	R297 EVO	3054	3286340305419	D	C		71 dB
	315/70 R22.5 156L150L	R-STEER 001	5964	3286340596411	D	C		73 dB
315/70 R22.5 154L150L	R-DRIVE 001	5968	3286340596817	D	C		73 dB	
315/80 R22.5 154M156L **	M729	4347	3286340434713	E	C		78 dB	

Informação Geral						Informação na Etiqueta		
Jante	Medida	Piso	IPC	Código EAN				
22.5	315/80 R22.5 154M156L	M729	4348	3286340434812	E	C		78 dB
	315/80 R22.5 154M156L	M730	50402	3286345040216	F	C		75 dB
	315/80 R22.5 156L154M	M788	50151	3286345015115	D	C		74 dB
	315/80 R22.5 154M156L **	R297	3904	3286340390415	D	B		72 dB
	315/80 R22.5 154M156L	R297	50358	3286345035816	D	B		73 dB
	315/80 R22.5 156L154M	R-DRIVE 001	5390	3286340539012	D	C		75 dB
	315/80 R22.5 156L154M	R-STEER 001	5388	3286340538817	D	B		73 dB
	385/55 R22.5 160K158L	R168	5808	3286340580813	D	B		74 dB
	385/65 R22.5 160K158L	M788	50386	3286345038619	E	C		75 dB
	385/65 R22.5 160K158L	R164	74556	3286347455612	C	C		71 dB
	385/65 R22.5 160K158L	R168	4697	3286340469715	D	B		71 dB
	385/65 R22.5 160K158L	R-STEER 001	5962	3286340596213	C	B		69 dB
	385/65 R22.5 160K158L	R168 PLUS	6738	3286340673815	D	B		71 dB
	425/65 R22.5 165K	R164	48802	3286344880219	C	D		70 dB
	445/65 R22.5 169K	R164	50282	3286345028214	C	C		70 dB
Pneus de camião para estrada /fora-de-estrada								
17.5	10 R17.5 143J141J	M840	73242	3286347324215	E	D		70 dB
20	12.00 R20 154K156G	M840	2975	3286340297516			*	
	365/80 R20 160K158L	M748	73742	3286347374210	C	C		73 dB
22.5	9 R22.5 133L131L	M840	49743	3286344974314	D	C		72 dB
	10 R22.5 144K142K	M840	74901	3286347490118	D	B		72 dB
	11 R22.5 148K145L	M840	49402	3286344940210	D	C		72 dB
	12 R22.5 152K150L	M840	49576	3286344957614	D	C		73 dB
	13 R22.5 154K156G	L355	79497	3286347949715	E	B		75 dB
	13 R22.5 154K156G	M840	50168	3286345016815	D	C		72 dB
	275/70 R22.5 148K145K	M840	50372	3286345037216	E	C		70 dB
	295/80 R22.5 152K150L	M840	73877	3286347387715	D	C		72 dB
	315/80 R22.5 154K150K *	L355	50475	3286345047512	D	C		76 dB
	315/80 R22.5 156K154M	L355	79495	3286347949517	E	C		75 dB
	315/80 R22.5 156K154M	M840	1250	3286340125017	D	C		73 dB
	315/80 R22.5 156K152L *	M840	50348	3286345034819	D	C		72 dB
	385/65 R22.5 160K158L	M748	48340	3286344834014	D	B		74 dB
425/65 R22.5 165K	M748	48983	3286344898313	D	D		70 dB	
445/65 R22.5 169K	M748	50287	3286345028719	C	D		71 dB	
445/65 R22.5 169K	M844	50283	3286345028313	C	D		71 dB	
24	12 R24 156K153K	M840	2976	3286340297615	D	C		72 dB
	325/95 R24 162K160K	M840 EXTRA	5700	3286340570015	D	C		72 dB

Informação Geral					Informação na Etiqueta			
Jante	Medida	Piso	IPC	Código EAN				
Pneus de camião para fora-de-estrada								
20	14 R20 161K	VSJ	2978	3286340297813	E	C		75 dB
22.5	12 R22.5 152G148G	L317	49489	3286344948919	F	C		73 dB
	13 R22.5 154G150G	L317	50317	3286345031719	F	D		73 dB
Pneus de camião para inverno								
19.5	265/70 R19.5 143J141J	M852	4866	3286340486613	E	C		73 dB
22.5	11 R22.5 148L145L	M758	3903	3286340390316	F	D		72 dB
	12 R22.5 152L148L	M758	50148	3286345014811	E	D		72 dB
	12 R22.5 152K150L	W970	3974	3286340397414	F	D		76 dB
	275/70 R22.5 148M145M	W970	3902	3286340390217	F	D		75 dB
	295/60 R22.5 150L147L	W990	1618	3286340161817	F	E		73 dB
	295/80 R22.5 152M148M	W958	2445	3286340244510	D	C		74 dB
	295/80 R22.5 152M148M	W970	3972	3286340397216	F	E		72 dB
	295/80 R22.5 152M148M	W990	1615	3286340161510	F	C		74 dB
	315/70 R22.5 152M154L	W958	2447	3286340244718	D	C		74 dB
	315/70 R22.5 152M154L	W990	1610	3286340161015	F	C		73 dB
	315/80 R22.5 156L154M	W958	3988	3286340398817	D	C		72 dB
	315/80 R22.5 154M156L	W970	3970	3286340397018	F	E		76 dB
	315/80 R22.5 154M156L	W990	1301	3286340130110	F	C		73 dB
	385/55 R22.5 160K158L	M788	4845	3286340484510	E	C		73 dB
385/65 R22.5 160K158L	M788	50386	3286345038619	E	C		75 dB	
Pneus para autocarros urbanos e de longo curso								
19.5	305/70 R19.5 148J151E	R192	50395	3286345039517	D	C		71 dB
22.5	11 R22.5 148J145J	R192	50456	3286345045617	E	D		71 dB
	12 R22.5 152G148G	R192	74777	3286347477713	D	D		70 dB
	275/70 R22.5 148M152E	M788	50335	3286345033515	D	C		72 dB
	275/70 R22.5 148J152E	R192	6021	3286340602119	D	C		71 dB
	295/80 R22.5 154M149M	M788 EVO	5104	3286340510417	D	C		71 dB
	295/80 R22.5 152J154E	R192	3665	3286340366519	D	C		72 dB
	305/70 R22.5 152J154E	R192	75112	3286347511219	D	D		70 dB
	315/70 R22.5 152M154L	M788	50334	3286345033416	D	C		71 dB
	315/80 R22.5 156L154M	M788	50151	3286345015115	D	C		74 dB
	435/45 R22.5 162J	GREATEC R173	50311	3286345031115	D	D		71 dB
	455/45 R22.5 166J	GREATEC R173	3155	3286340315517	D	C		72 dB

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