Iberográfica Capa Rota - Portugal	Comparison Conventional Blankets	**Compressibility** Deflection	Doc. PROC - LAB - 014 Data: 06 - 05 - 2011 Folha. 1 de 3 Rev. 0

Item #	Brand/ /Model	Sample #/ / Batch #	D0	D01	D04	D4k/2	D5k/2	D1k	D4k	D5k	D1	D4	D5	Df1	Df5	Dfp1	Dfp5	Comp. Loss	__ Gauge Loss @ __ kPa _ 1st cycle		60	1060	2060	____Hysteresis___ Wk/2	Wk	Energy	Elastic Energy	Damping Capacity	Test Time
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	µm	µm	%	%	%	µm	1st%	µm	µm	µm	µm	µm	(HE)Nmm	(EE)Nmm	(DC) %	s
1	C / II	31F/green	1,95	1,90	1,89	1,81	1,83	1,81	1,77	1,79	1,72	1,71	1,71	236	176	12,1	9,3	25,3	55	84,8	64	20	5	17	16	18	117	15,3	107,2
2	F / IX	32F/brown	1,91	1,86	1,85	1,77	1,78	1,76	1,73	1,74	1,67	1,67	1,67	234	178	12,2	9,6	23,9	53	84,9	62	20	6	16	16	17	115	14,9	107,2
3	E / VII	33F/grey	1,97	1,89	1,87	1,78	1,80	1,78	1,73	1,75	1,67	1,66	1,66	296	214	15,1	11,4	27,7	82	88,3	93	30	11	24	22	27	139	19,7	128,2
4	E / VIII	34F/grey	1,91	1,84	1,82	1,73	1,75	1,74	1,69	1,71	1,64	1,63	1,62	274	202	14,3	11,1	26,2	73	84,8	86	33	14	20	20	25	132	18,8	121,0
5	K / I	35F/-	1,96	1,88	1,87	1,76	1,79	1,76	1,71	1,74	1,65	1,65	1,64	310	223	15,8	12,0	28,0	82	85,3	96	27	9	29	27	27	145	18,7	134,6

LEGEND

Test Details
Standard:
ISO 12636 section 4.4
Equipment:
Lloyd LR 10K Plus
Speed: 1 mm/min
Markers: D0 up to D5
Test Time: (D5-D0) s

Thickness (mm)
D0; D01; D04: @ 60kPa
D4k/2; D5k/2: @ 560kPa
D1k; D4k; D5k: @ 1060kPa
D1; D4, D5: @ 2060kPa

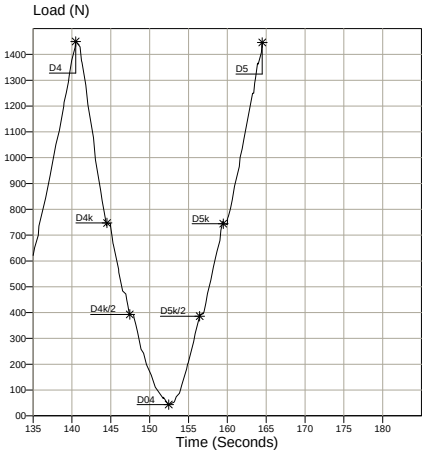
Deflection
Df1 = (D0 - D1) mm
Df5 = (D04 - D5) mm

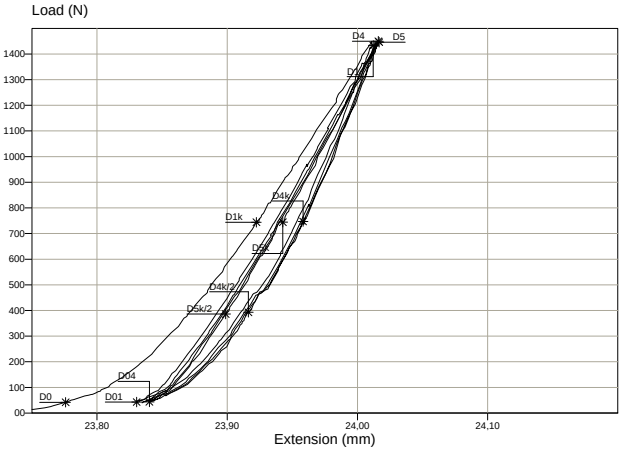
Dfp1 = [((D0 - D1) / D0) * 100] %
Dfp5 = [((D04 - D5) / D04) * 100] %

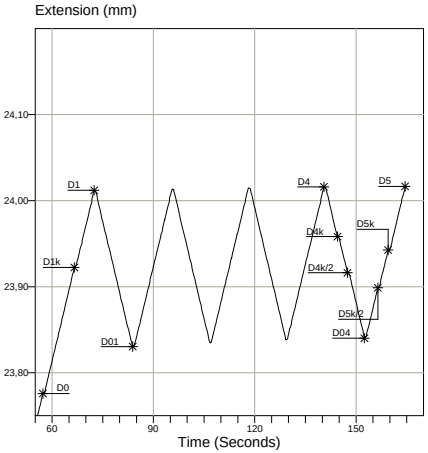
Compressive Loss
Deflection reduction
from the 1st to the 5th
compression cycles.
CL = [((Df1-Df5)/Df1)*100] %

Gauge Loss @
60kPa: 1st Cycle: (D0 - D01) µm
1st%:1stCycle/Full Test %
[((D0-D1)/(D0-D04))*100]%
Full Test: (D0 - D04) µm
1060kPa: (D1k - D5k) µm
2060kPa: (D1 - D5) µm

Hysteresis
Values to be linked to a specific stress cycle
W(window): Gauge variation due to stress history
Wk/2: Gauge variation@560kPa (D5k/2-D4k/2) µm
Wk: Gauge variation@1060kPa (D5k-D4k) µm
HE: Heat generated in one cycle (D5-D4) Nmm
EE: Elastic deformation energy (D5-D04) Nmm
DC: Damping Capacity [((D5-D4)/(D5-D04))*100] %







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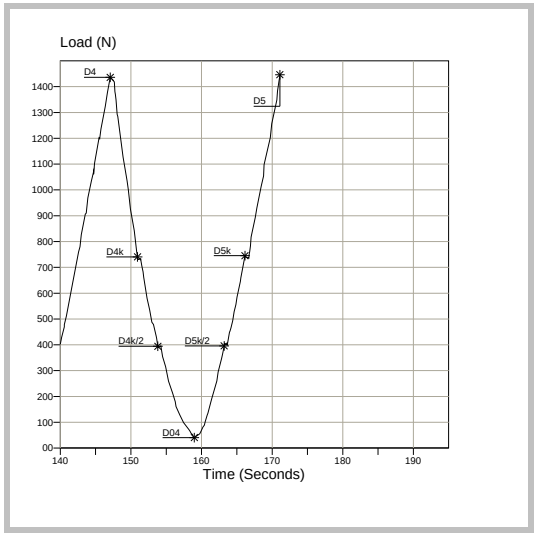

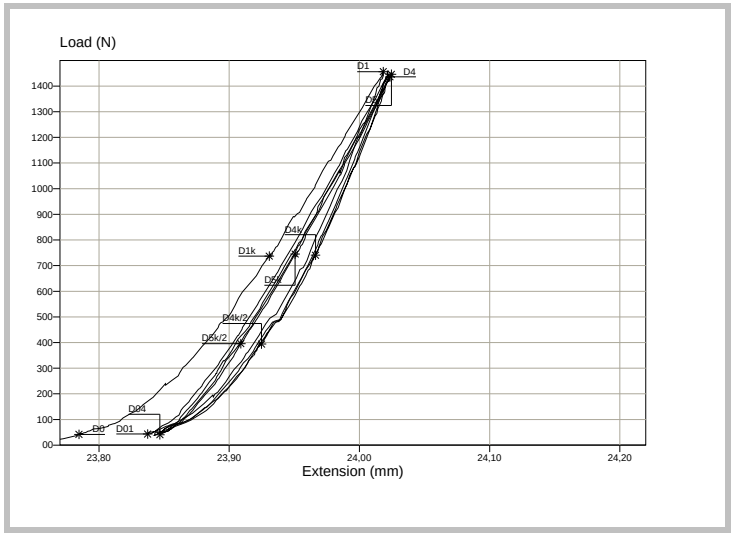

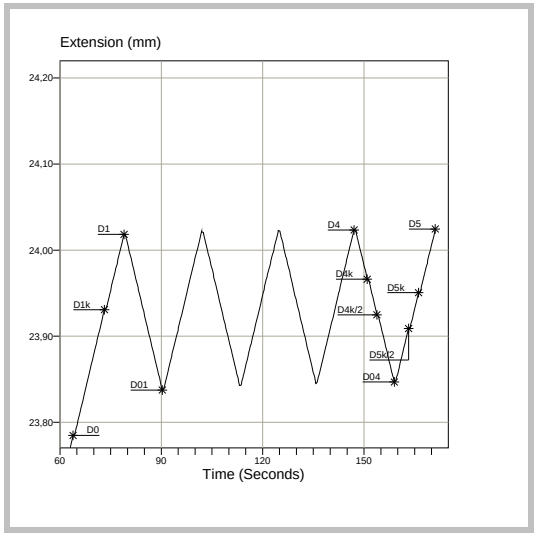

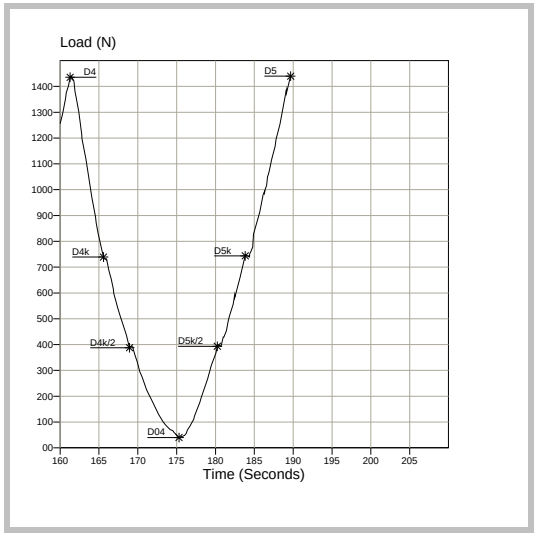

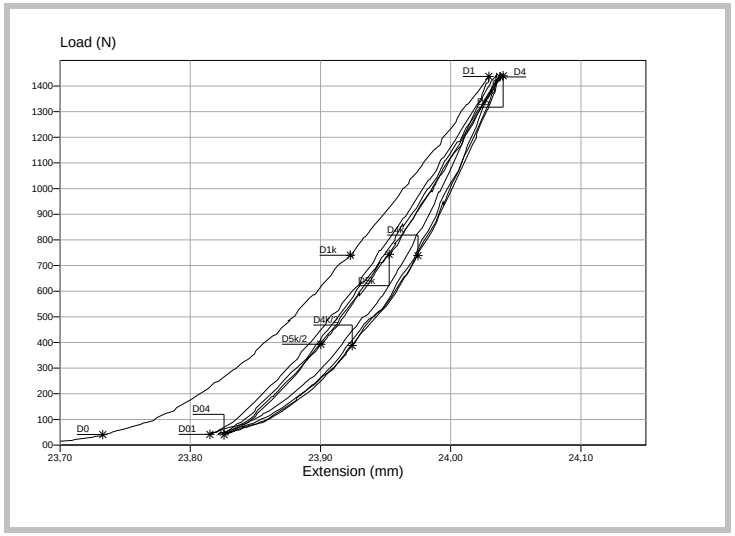

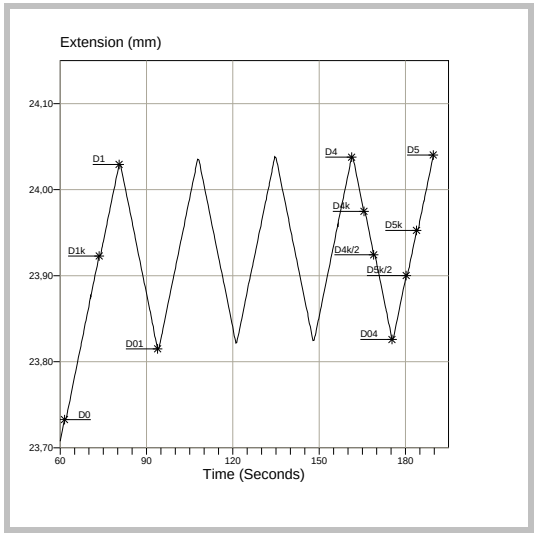

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