



Comparative Tests

Compressibility Indentation

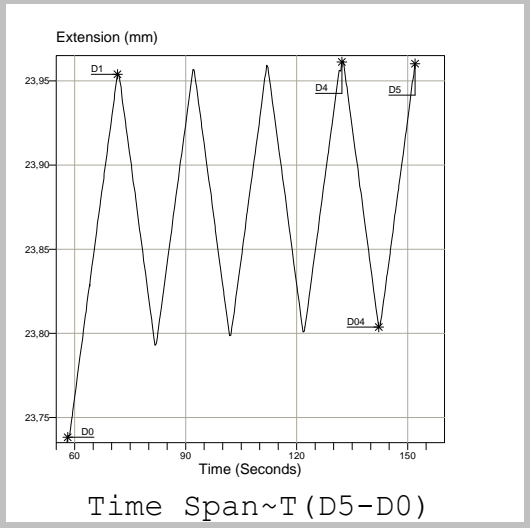
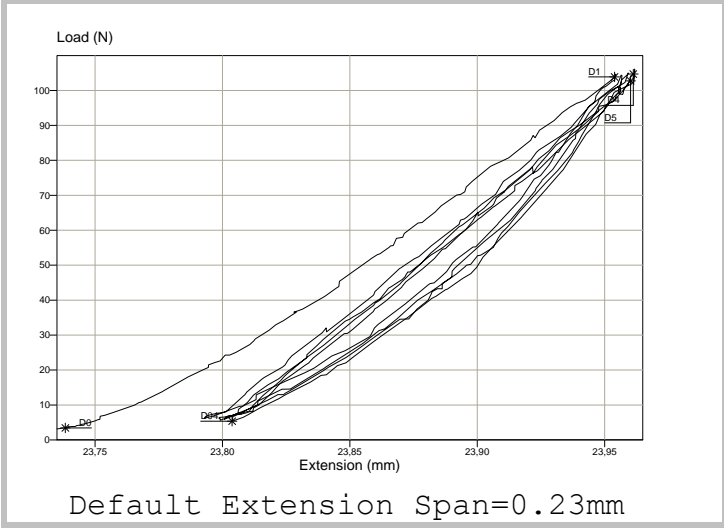
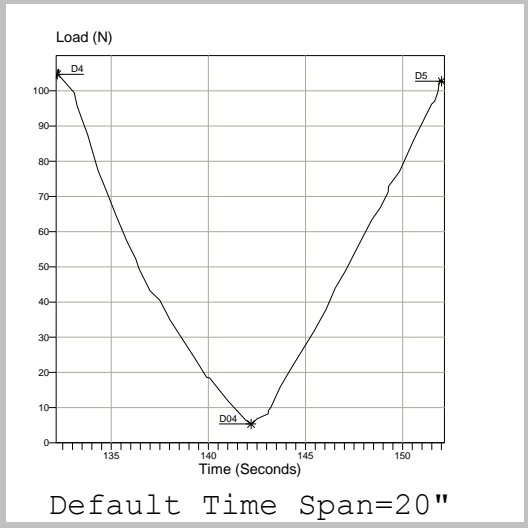
Doc. PROC - LAB - 011
 Data: 08 - 02 - 2011
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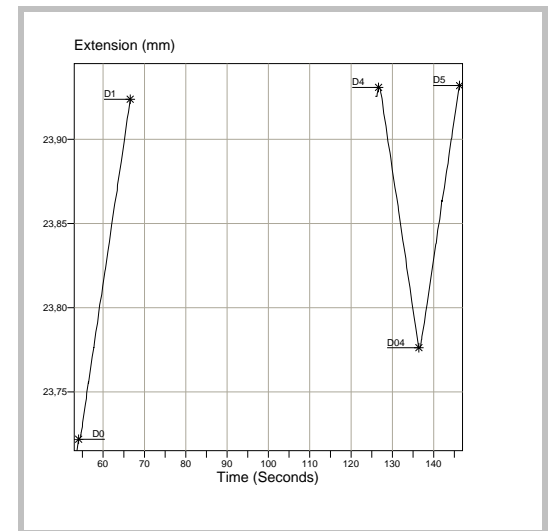
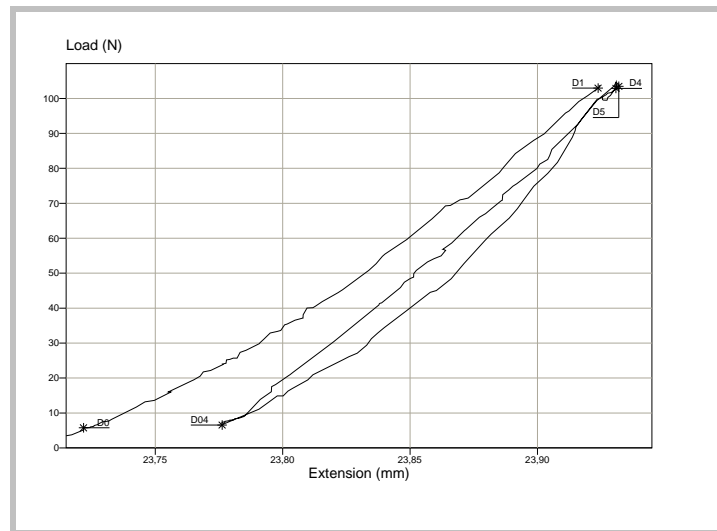
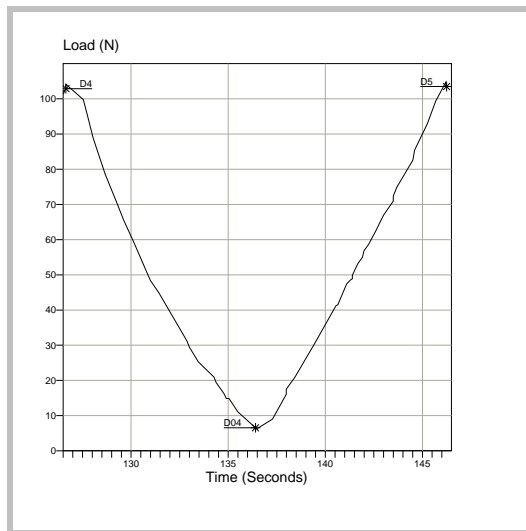
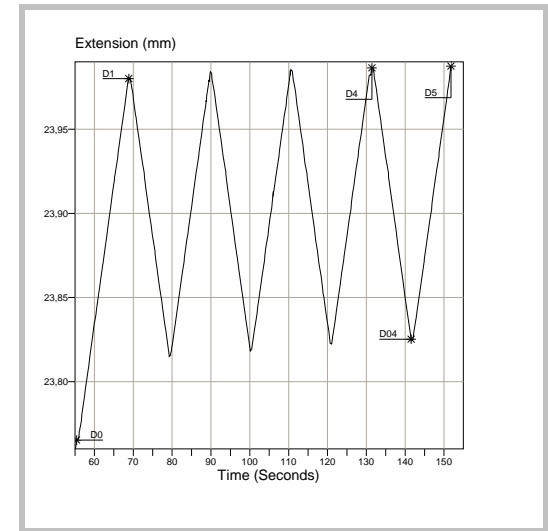
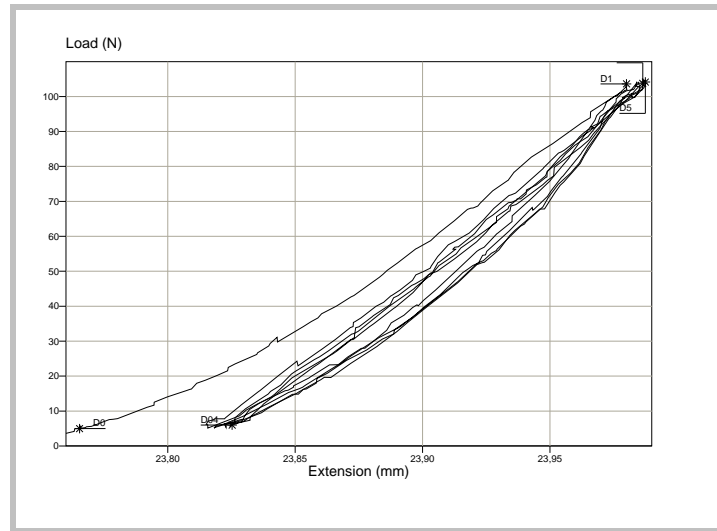
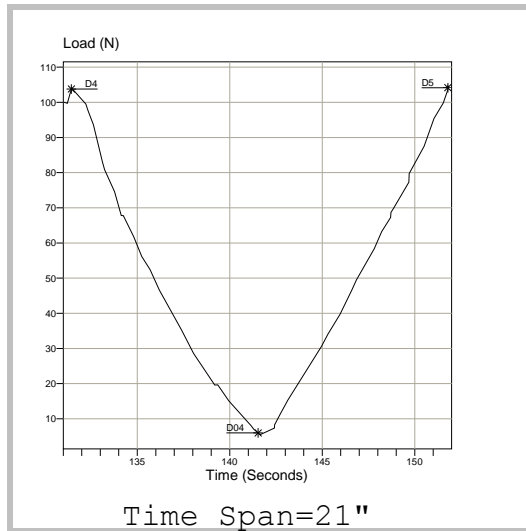
Item #	Brand/ /Model	Sample # / Job #	D0 Thickness	D1 Thickness	D04 Thickness	D5 Thickness	I1 Indentation	I5 Indentation	Ip1 %	Ip5 %	Comp. Loss %	Gauge Loss @ 60kPa	Gauge Loss @ 1060kPa	HE Hysteresis Nmm	Energy Elastic Nmm	EE Damping Capacity % (DC)	Test Time s
15	D / I	356P/876717/01-4	1,99	1,77	1,92	1,77	215	156	12,1	8,9	27,4	65,3	6,7	1,00	8,12	12,3	93,9
16	D / II	357P/879274/01-2	2,02	1,80	1,96	1,80	215	163	11,9	9,1	24,5	59,4	7,1	0,93	8,37	11,1	96,4
17	D / II	380P/882102/01-1	2,01	1,81	1,95	1,80	202	155	11,2	8,6	22,9	54,5	7,1	0,97	8,16	11,9	92,2
18	D / I	381P/884225/01-3	2,02	1,83	1,97	1,82	193	147	10,6	8,1	24,3	55,0	8,7	0,81	7,63	10,6	87,4
19	D / III	283P/839539/01-2	1,98	1,79	1,94	1,78	187	159	10,5	8,9	15,1	38,6	9,8	1,40	8,52	16,5	91,5
20	D / IV	307P/183853/01-6	1,71	1,57	1,68	1,57	135	110	8,6	7,0	18,2	33,7	9,0	0,99	5,88	16,8	64,9
21	D / IV	334P/014740/01-1	1,99	1,84	1,95	1,83	150	120	8,1	6,6	19,9	41,2	12,1	1,00	6,55	15,2	71,5
22	D / V	335P/876184/01-9	2,01	1,86	1,98	1,85	158	130	8,5	7,0	16,5	37,1	8,8	0,85	7,04	12,0	76,6
23	D / V	342P/877479/01-4	1,98	1,82	1,94	1,82	151	123	8,3	6,7	19,0	33,9	5,3	0,51	6,55	7,8	74,3
24	D / V	348P/881105/01-7	1,97	1,83	1,94	1,82	140	118	7,6	6,5	14,9	27,1	4,9	0,35	6,21	5,6	70,4
25	E / I	64P/2918718-06	2,01	1,86	1,97	1,85	152	117	8,2	6,3	23,9	44,9	9,4	1,03	6,22	16,6	69,7
26	E / II	382P/012335-09	2,01	1,85	1,96	1,84	161	123	8,7	6,7	23,4	47,5	9,4	1,11	6,56	17,0	73,9
27	E / III	326P/66014049-05	1,98	1,84	1,94	1,84	137	104	7,4	5,6	24,7	38,4	5,0	0,63	5,48	11,5	63,3
28	E / IV	329P/06015538-09	1,99	1,80	1,93	1,79	185	136	10,3	7,6	26,9	60,0	10,6	1,42	7,24	19,6	81,8
29	E / IV	340P/06015280	2,00	1,84	1,95	1,83	169	124	9,2	6,8	26,2	52,6	8,1	1,04	6,76	15,5	75,7
30	E / III	365P/664307-08	2,00	1,84	1,95	1,83	160	118	8,7	6,4	26,7	50,0	7,4	1,00	6,15	16,2	70,8
31	E / III	326P/66014049-05	1,99	1,85	1,95	1,84	143	104	7,8	5,7	27,2	44,8	5,5	0,65	5,45	12,0	63,4

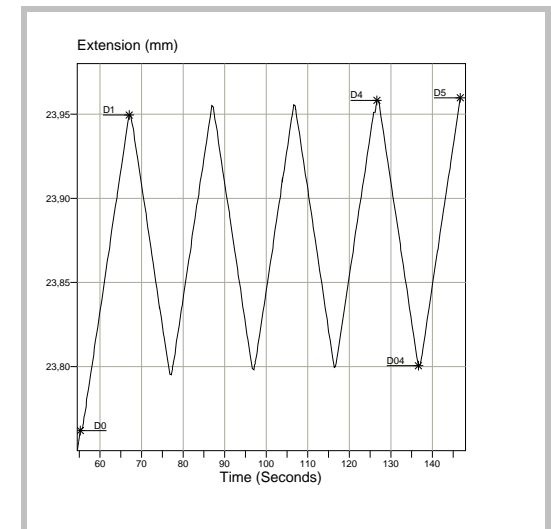
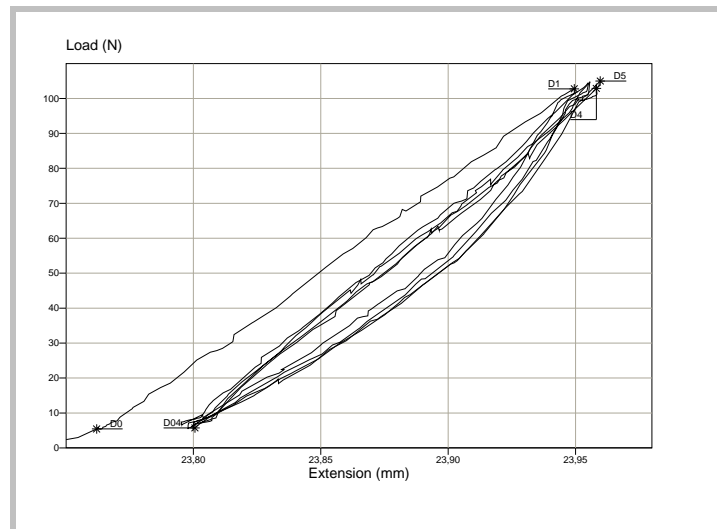
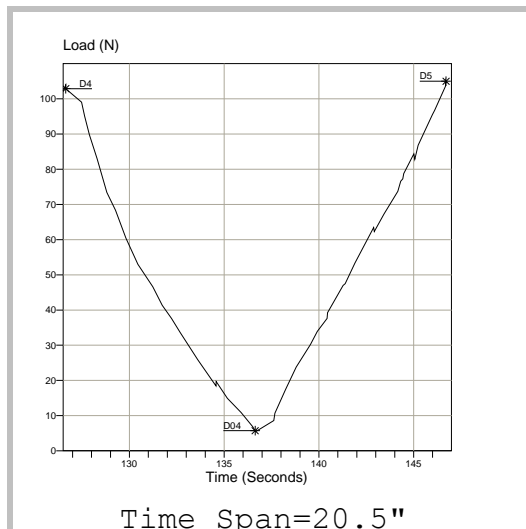
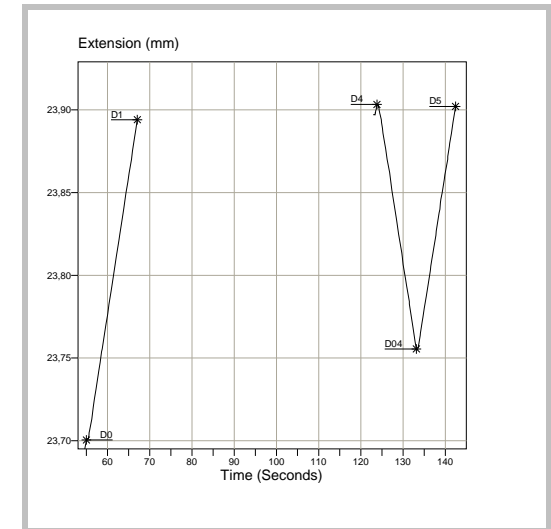
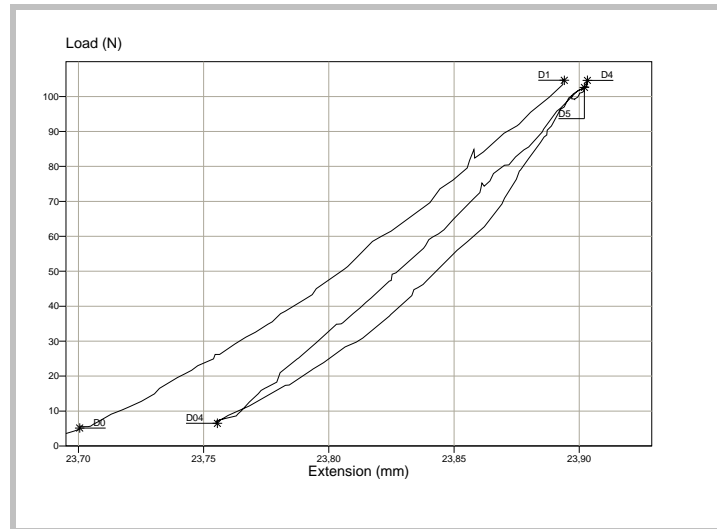
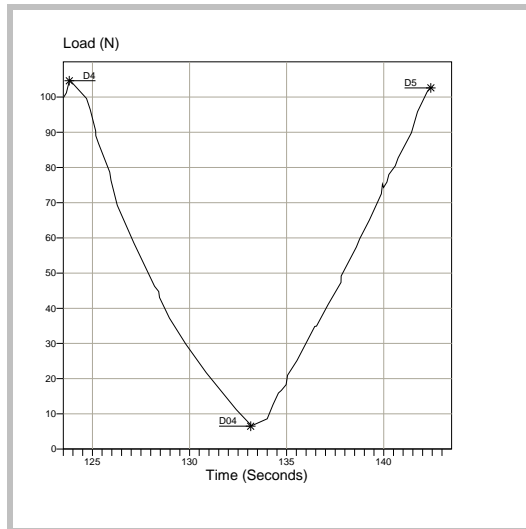
Test standard: ISO 12636 4.5
 Tester: Lloyd LR 10K Plus (Speed: 1 mm/min)
 Disk: 11,20 mm Ø Operator: DMiranda
 Graphs: Row # all

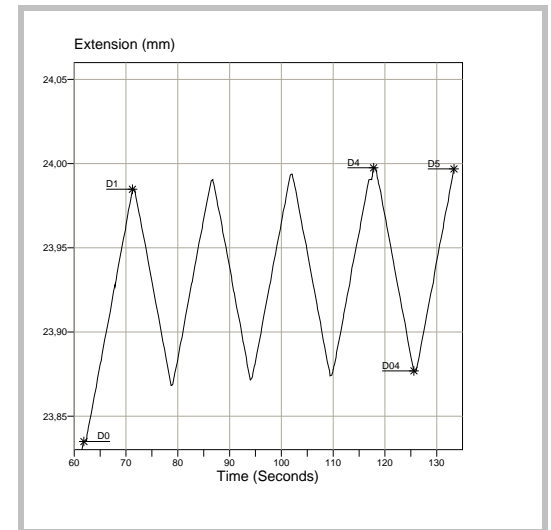
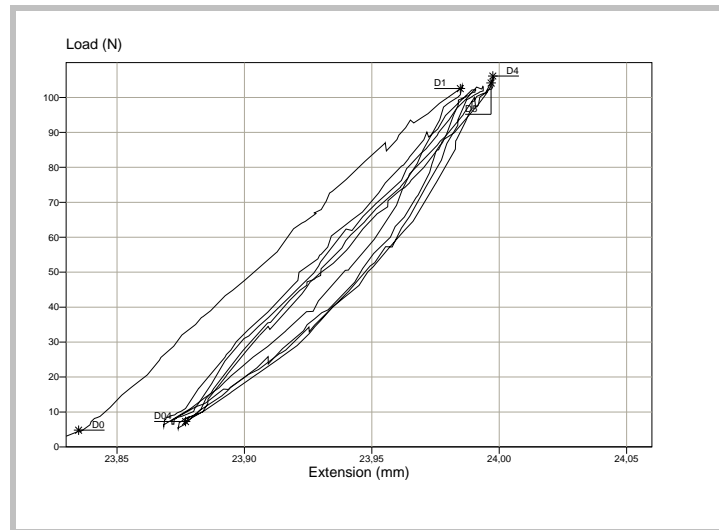
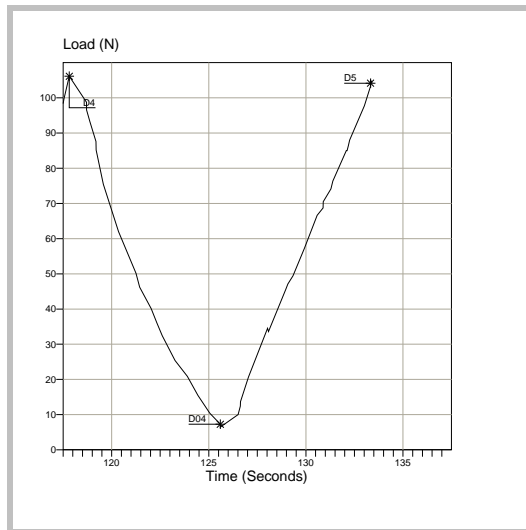
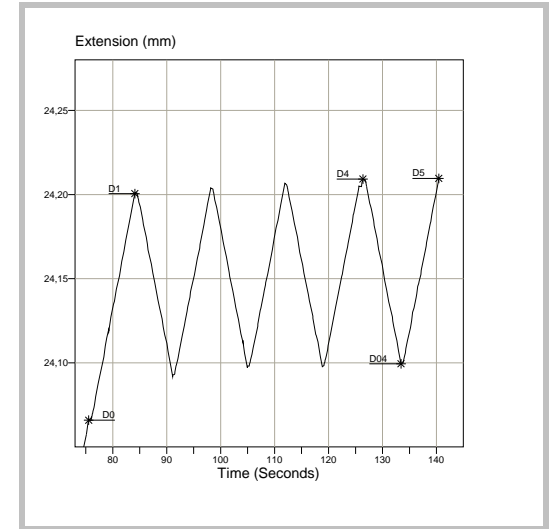
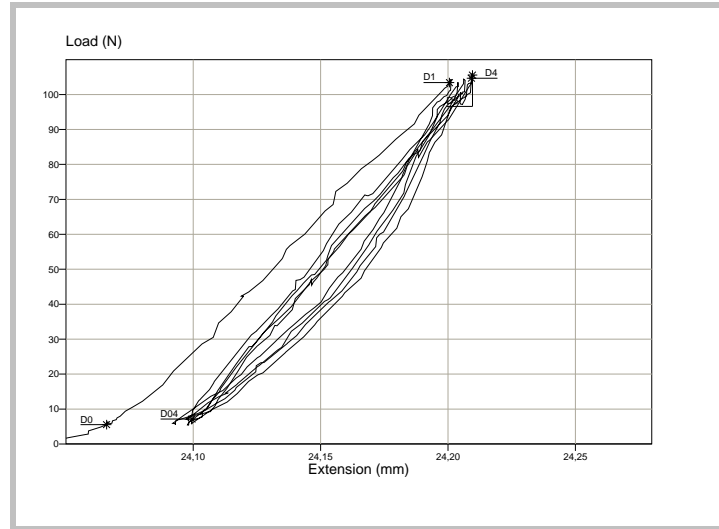
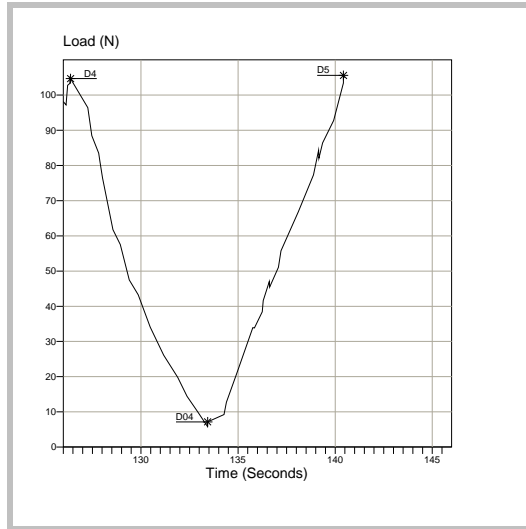
Legend
 Compressibility Thickness (mm)
 I1=(D0-D1) mm D0; D04: @ 60 kPa
 I5=(D04-D5) mm D1; D5: @ 1060 kPa
 Ip1=[(D0-D1)/D0*100] % Gauge Loss GL (µm)
 Ip5=[(D04-D5)/D04*100] % @ 60 kPa = D0-D04
 Cp Loss=[(I1-I5)/I1*100] % @ 1060 kPa = D1-D5
 HE: D5 -D4 (Nmm) DC:(HE-EE)/EE*100%
 EE: D5-D04 (Nmm) Test Time: D5 -D0 (s)

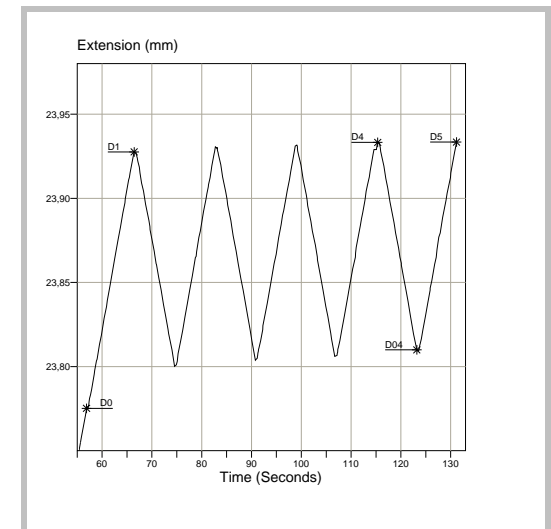
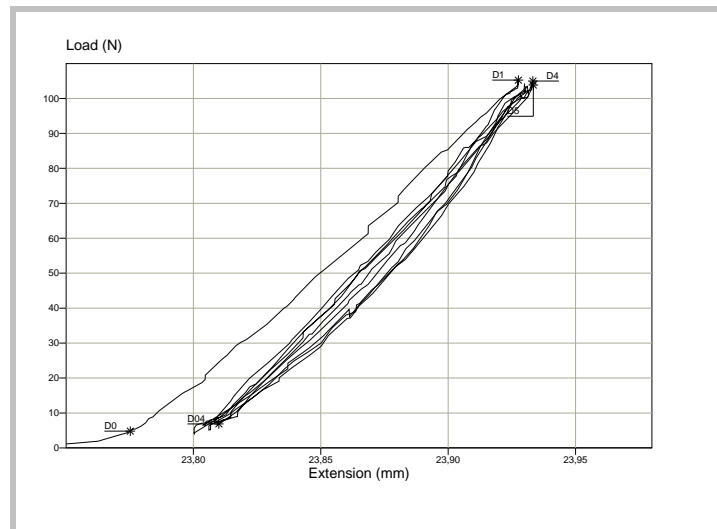
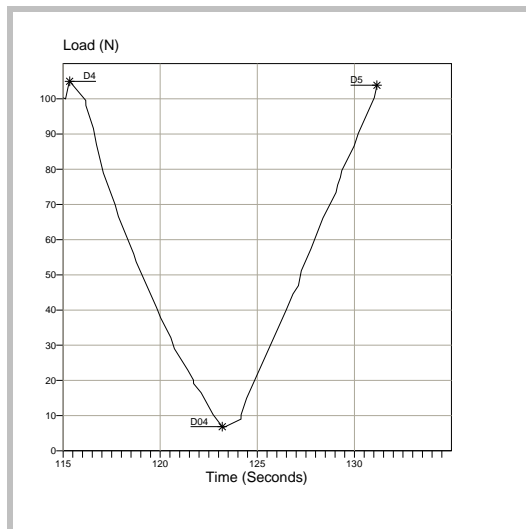
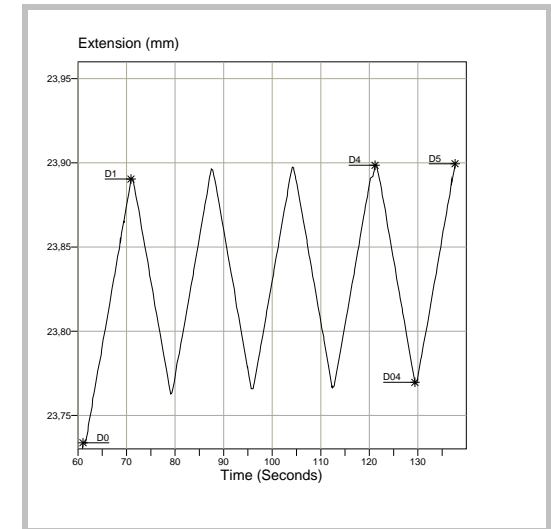
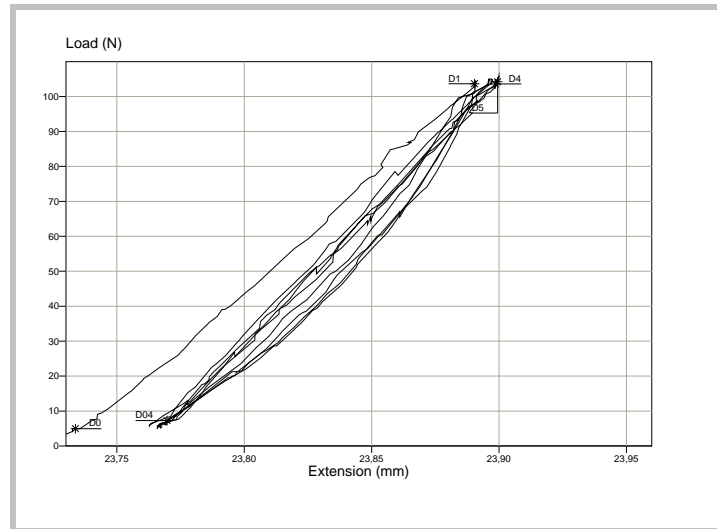
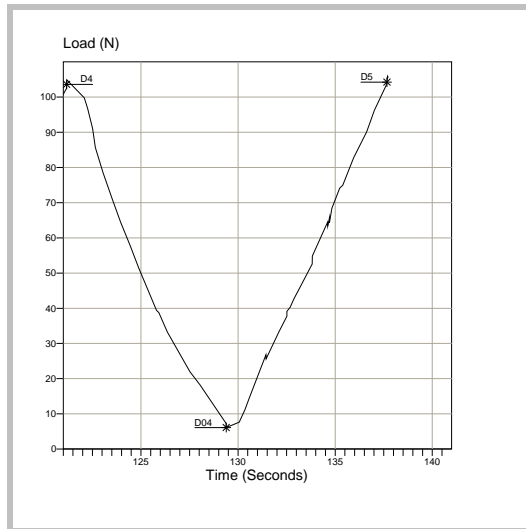
Results: Item # 23
 I1: 0,15 mm GL @: 60 kPa: 34 µm
 I5: 0,12 mm GL @1060 kPa: 5 µm
 Ip1: 8,3 % HE: 0,51 Nmm
 Ip5: 6,7 % EE: 6,55 Nmm
 Cp Loss: 19 % DC: 7,8 %
 Test Time: 74 s













Iberográfica

Capa Rota - Portugal

Comparative Tests

Compressibility Indentation

Doc. PROC - LAB - 011

Data: 08 - 02 - 2011

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