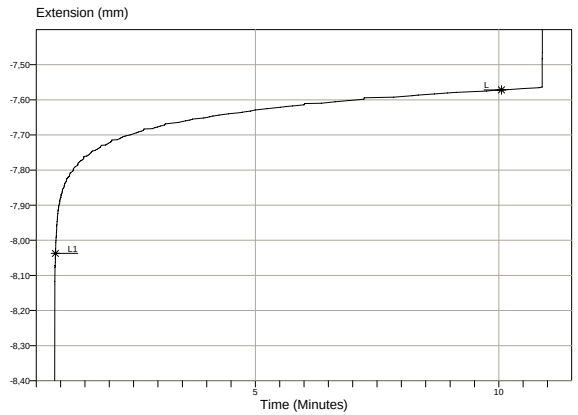
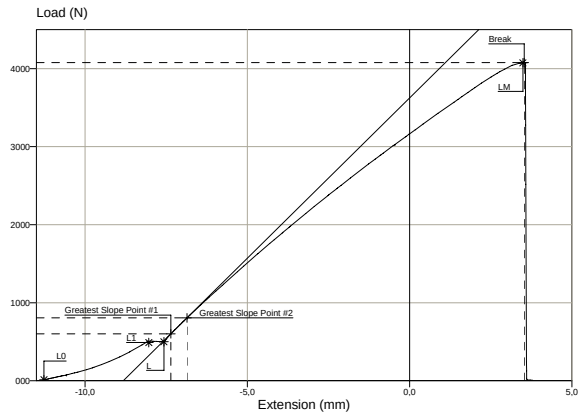
Iberográfica Capa Rota - Portugal	**Brand E**	**Elongation & Tensile**	Doc. PROC- LAB - 009 Date: 02 - 02 - 2012 Page 1 of 1 Rev. 0

Item #	Brand/ /Model	Job #	L0	L1	L	LM	L-L1	E1‰	L-L0	E%	LM-L0	EM%	Young's Modulus	Load@ LM	TT Time
			Length				Yield		Mounting		Tensile				
			mm	mm	mm	mm	mm	‰	mm	%	mm	%	MPa	kN	s
1	E/IX	25906	320,05	323,28	323,75	334,81	0,47	1,44	3,70	1,15	14,76	4,61	1.349	4,08	617,0
2	E/IX	25907	320,04	322,72	323,18	333,56	0,47	1,44	3,14	0,98	13,52	4,22	1.432	4,01	615,7
3	E/IX	27203	320,10	323,25	323,76	336,93	0,50	1,56	3,65	1,14	16,83	5,26	1.331	4,07	619,5
4	E/IX	27203	320,12	323,27	323,77	337,48	0,50	1,56	3,65	1,14	17,36	5,42	1.315	4,15	620,1
5	E/IX	25908	320,09	323,25	323,78	334,88	0,54	1,66	3,70	1,16	14,79	4,62	1.391	3,82	617,1
6	E/IX	25909	320,06	323,04	323,56	334,14	0,52	1,61	3,50	1,09	14,08	4,40	1.402	3,96	616,3





Test standard: ISO 12636 4.2 (L0 to L) (*)
4.3 (L to break)
Tester: Lloyd LR 10K Plus
Grips Distance: 320 mm
Sample Dimensions: 50 x 390 mm
(*) - Bench marks not used.
An alternate 1' hold-time short test is also used.
Results may not be comparable with those strictly conducted according to ISO 12636.
Graphs: First Item

Legend
Extension (mm)
L0: @ 10 N L1: @ 500 N
L : after 10' hold @ 500 N LM: @ break

~"Yield during Print"
L-L1: ΔL after 10' @ 500N (mm)
E1 ‰ = $[((L-L_1)/L_1)*1000]$ ‰
Default Graph Window Extension: 1 mm

~"Mounting" elongation
L-L0: ΔL after tensioning-&-seating (mm)
E % = $[((L-L_0)/L_0)*100]$ %
According to ISO 12636: E < 1,5 %

Elongation @ LoadM
LM-L0: DL @ Maximum Load (break) (mm)
EM % = $[((L_M-L_0)/L_0)*100]$ %

Modulus: stress/strain gradient @ greatest slope
Young's Modulus: (MPa)
Load @ LM: Max. Load (kN)
TT: test Time (s)