



Iberográfica

Capa Rota - Portugal

Brand D 2 Ply Construction

Compressibility Indentation

Doc. PROC - LAB - 015A

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Folha. 1 de 1 Rev. 0

Item #	Brand /Model	Sample #/ / Job #	Thickness					Indentation				Comp. Loss %	Gauge Loss @				Hysteresis		Elastic Energy EENmm	Damping Capacity (DC)%	Test Time s			
			D0	D01	D04	D4k/3	D5k/3	D1	D4	D5	I1		I5	Ip1	Ip5	1st cycle	60kPa	1060kPa				Wk/3	Energy HENmm	
			mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	mm	
1	D/II	Ca6/896648	1,99	1,94	1,93	1,86	1,87	1,79	1,79	1,79	195	145	9,8	7,5	25,5	47	81,9	58	8	11,7	0,9	7,5	11,8	86,1
2	D/II	Ca7/896648	2,00	1,95	1,95	1,88	1,89	1,81	1,80	1,80	192	149	9,6	7,6	22,7	44	85,2	51	8	14,2	0,9	7,5	11,8	86,4
3	D/II	Ca8/893648	1,99	1,95	1,94	1,87	1,88	1,80	1,80	1,79	189	150	9,5	7,7	20,6	41	89,9	46	7	13,4	0,8	7,5	10,7	86,0
4	D/II	Ca9/892171	2,00	1,96	1,96	1,89	1,90	1,82	1,81	1,81	185	144	9,2	7,4	22,1	40	83,6	48	7	13,0	0,8	7,5	11,1	84,4
5	D/II	Ca10/101419	1,99	1,94	1,93	1,86	1,87	1,79	1,79	1,79	192	147	9,7	7,6	23,7	44	81,6	54	8	12,2	0,9	7,4	12,2	86,3
6	D/I	Ca11/83827	2,00	1,95	1,94	1,86	1,88	1,80	1,79	1,79	201	146	10,1	7,5	27,5	56	87,8	64	8	14,2	1,1	7,4	14,7	85,5

LEGEND

Test Details

Standard: ISO 12636 section 4.5
Equipment: Lloyd LR 10K Plus
Speed: 1 mm/min
Test Time: (D5-D0) s
Default Time W : 20"

Thickness

D0; D01; D04: @ 60kPa
D4k/3; D5k/3: @ 393kPa
D1; D4; D5: @ 1060kPa

Indentation (@ 1060kPa)

I1 = (D0 - D1) mm
I5 = (D04 - D5) mm
Ip1 = (((D0 - D1) / D0) * 100) %
Ip5 = (((D04 - D5) / D04) * 100) %

Compressive Loss

Indentation reduction from the 1st to the 5th compression cycles.
CL = [((I1 - I5) / I1) * 100] %

Gauge Loss @

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

Hysteresis

Values valid for a specific stress cycle
W(window):Gauge variation due to stress history
Wk/3: Gauge variation@393kPa (D5k/3-D4k/3)
HE: Heat generated in one cycle (D5-D4) Nmm
EE: Elastic deformation energy (D5-D04) Nmm
DC: Damping Capacity [((D5-D4)/(D5-D04))*100] %

Default Extension W : 0,23 mm

