

Indirect Tensile Modulus Test

Test method: ASTM D4123-82 / AASHTO TP31 (horiz. lvdts only, assumed Poisson's ratio)

Data fileName: C:\IPCglobal UTS\003 IT Modulus Test\CP01 - AN 75 golpes.D003

Template file name: C:\IPCglobal UTS\003 IT Modulus Test\Templates\Default.P003

Test date & time: 20/05/2013 16:26:21

Project:

Operator: Luiz_Leticia_Gerson

Comments: CP-01 AN4,9 75GOLPES

Setup Parameters

Target temperature (°C): 25

Loading pulse width (ms): 100

Pulse repetition period (ms): 1000

Conditioning pulse count: 5

Peak loading force (N): 1000

Estimated Poisson's ratio: 0.3

Seating force: AASHTO TP31 (10% of peak)

Specimen Information

Identification:

Remarks...

Dimensions	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Average	Std Dev
Length (mm)	59,2	59,1	59,1	59,3			59,2	0,1
Diameter (mm)	101,7	101,9	101,8	101,5			101,7	0,2

Cross-sectional area (mm²): 8127,3

Test Results

Conditioning pulses: 5

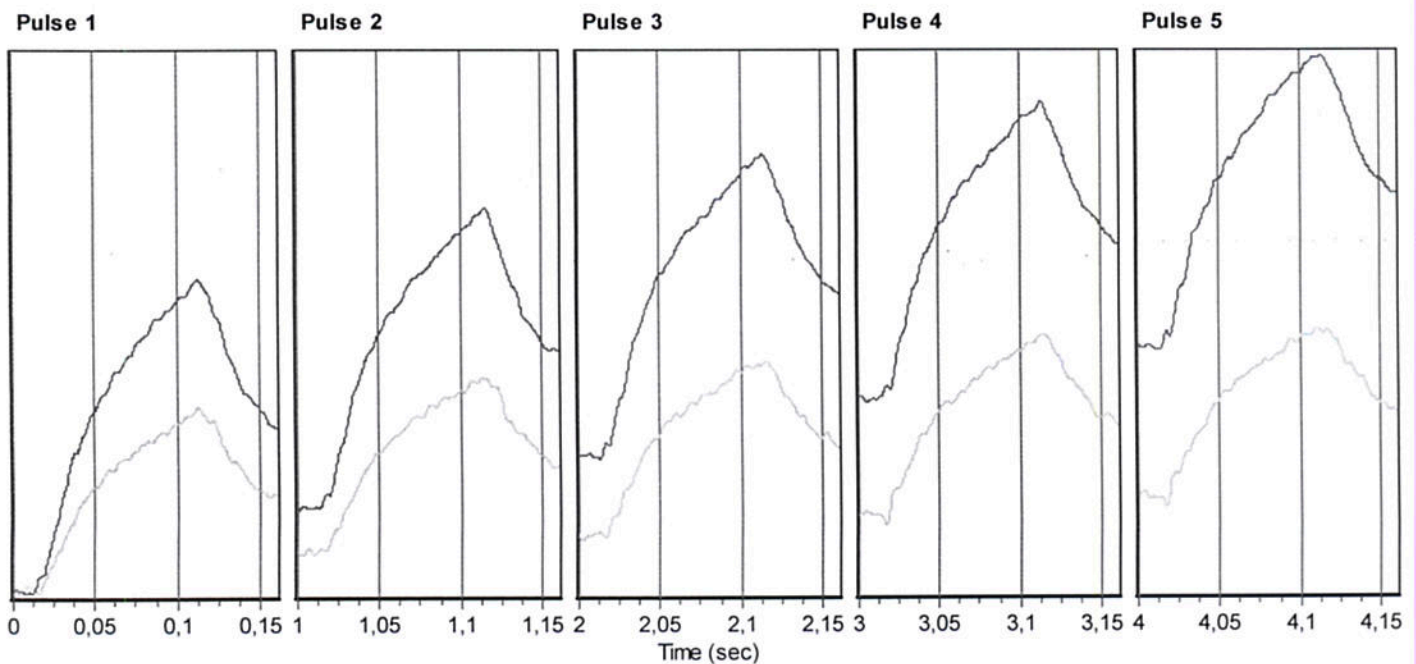
Core temperature (°C): 29,4

Skin temperature (°C): 29,4

Perm't horiz'l def'n/pulse (µm): 0,908300

	Pulse 1	Pulse 2	Pulse 3	Pulse 4	Pulse 5	Mean	Std. Dev.	%CV
Resilient modulus (MPa)	4443	4108	4227	4093	4185	4211	125,94	2,99
Total recoverable horiz. deform. (µm)	2,17	2,34	2,28	2,35	2,30	2,29	0,07	2,90
Peak loading force (N)	1000	999	999	1000	999	1000	0,50	0,05
Recoverable horiz. deform. #1 (µm)	0,84	0,91	0,88	0,92	0,91	0,89	0,03	3,27
Recoverable horiz. deform. #2 (µm)	1,33	1,44	1,40	1,43	1,39	1,39	0,04	2,85
Seating force (N)	100	100	100	100	100	100	0,21	0,21

Horizontal deformation #1 Horizontal deformation #2



Indirect Tensile Modulus Test

Test method: ASTM D4123-82 / AASHTO TP31 (horiz. lvdts only, assumed Poisson's ratio)

Data fileName: C:\IPCglobal UTS\003 IT Modulus Test\CP02 - AN 75 golpes.D003

Template file name: C:\IPCglobal UTS\003 IT Modulus Test\Templates\Default.P003

Test date & time: 20/05/2013 16:31:44

Project:

Operator: Luiz_Leticia_Gerson

Comments: CP-02 AN4,9 75GOLPES

Setup Parameters

Target temperature (°C): 25

Loading pulse width (ms): 100

Pulse repetition period (ms): 1000

Conditioning pulse count: 5

Peak loading force (N): 1000

Estimated Poisson's ratio: 0.3

Seating force: AASHTO TP31 (10% of peak)

Specimen Information

Identification:

Remarks...

Dimensions	Point 1	Point 2	Point 3	Point 4	Point 5	Point 6	Average	Std Dev
Length (mm)	58,7	58,5	58,5	58,5			58,6	0,1
Diameter (mm)	101,8	101,8	101,6	101,5			101,7	0,1

Cross-sectional area (mm²): 8119,3

Test Results

Conditioning pulses: 5

Core temperature (°C): 29,4

Skin temperature (°C): 29,4

Perm't horiz'l def'n/pulse (µm): 0,895700

	Pulse 1	Pulse 2	Pulse 3	Pulse 4	Pulse 5	Mean	Std. Dev.	%CV
Resilient modulus (MPa)	4748	4528	4533	4440	4429	4536	114,56	2,53
Total recoverable horiz. deform. (µm)	2,05	2,15	2,15	2,20	2,20	2,15	0,05	2,47
Peak loading force (N)	1001	1001	1001	1002	999	1001	0,80	0,08
Recoverable horiz. deform. #1 (µm)	1,24	1,30	1,32	1,34	1,32	1,31	0,03	2,67
Recoverable horiz. deform. #2 (µm)	0,81	0,85	0,83	0,85	0,87	0,84	0,02	2,48
Seating force (N)	100	100	100	100	101	100	0,29	0,29

Horizontal deformation #1 Horizontal deformation #2

